(1) BENZENE (ACN)(DOT)

(2) 2,4-HEXADIYNE

(3) 1,5-HEXADIYNE

(4) 1,5-HEXADIEN-3-YNE

(5) 1,3-HEXADIEN-5-YNE

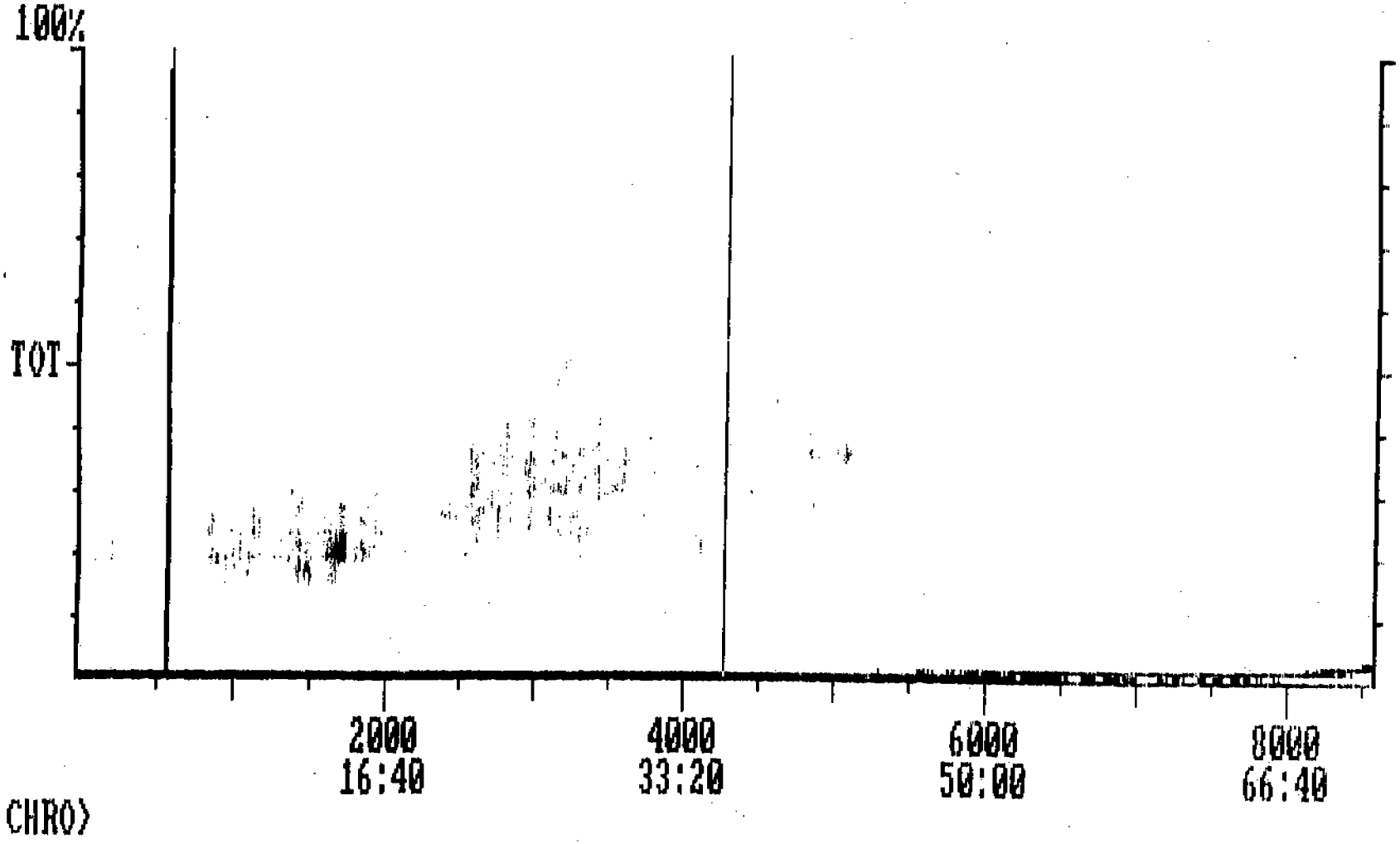
(6) 2-BUTENEDINITRILE, (E)-

(7) TETRAZOLO[1,5-B]PYRIDAZINE, 6-CHLORO-7-METHYL-

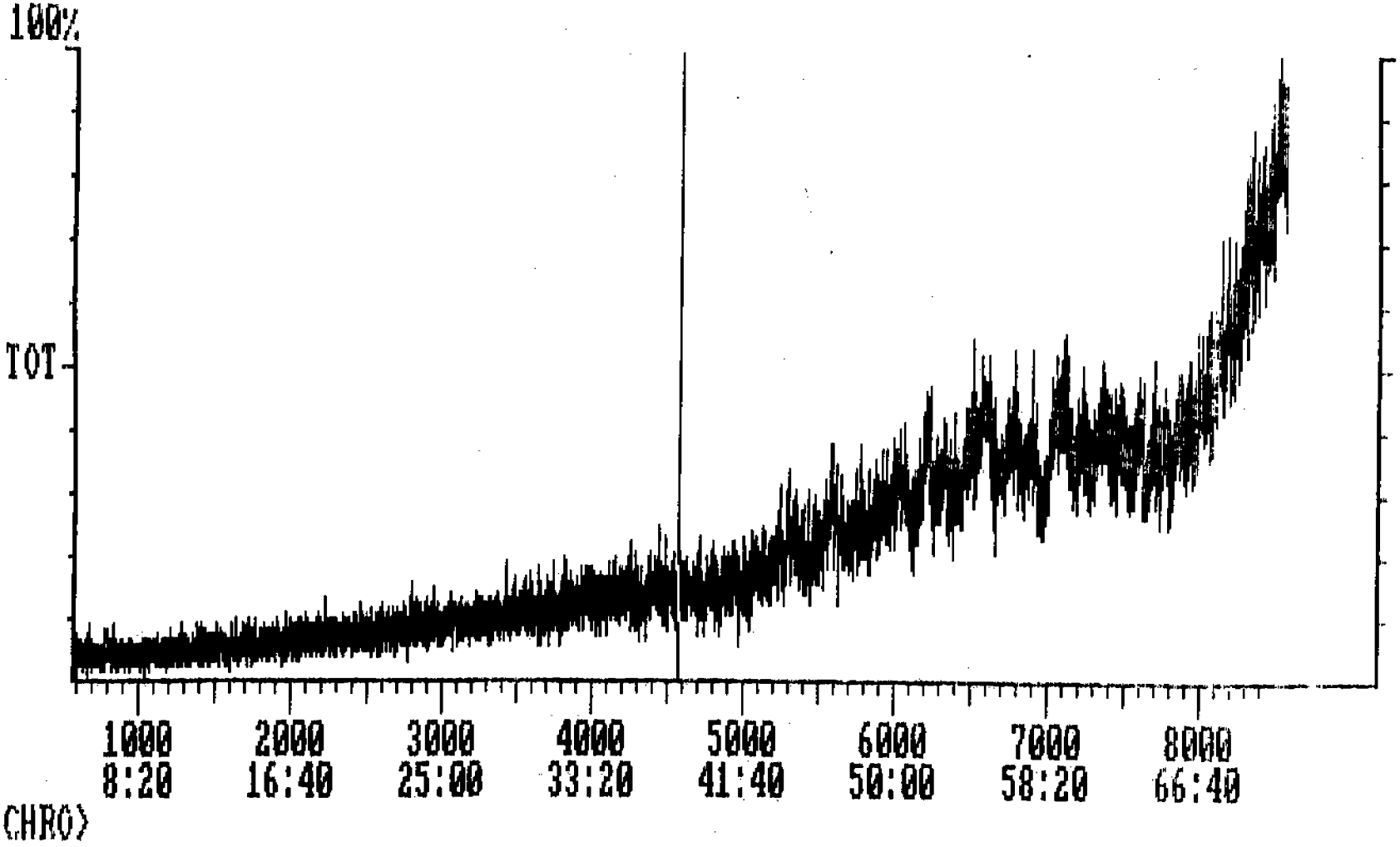
(8) PROPANEDINITRILE, METHYLENE-

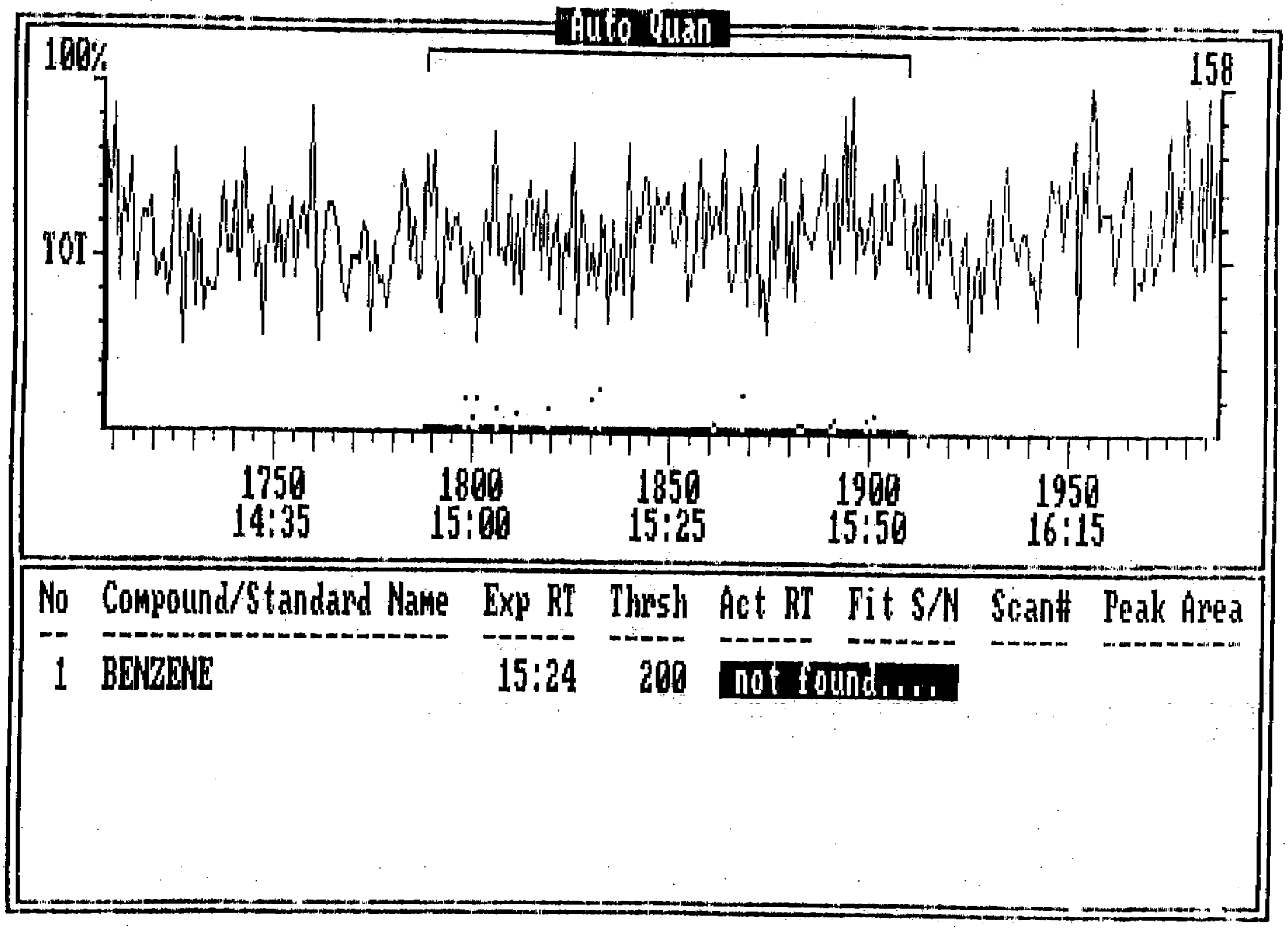
(9) BENZENEACETIC ACID, .ALPHA.-OXO-, METHYL ESTER

Chromatogram D:BE-6 Acquired: Jul-10-1991 10:54:35
Comment: BE-SD-6 7-10-91 GC3 TD3 0.04ML
Scan Range: 1 - 8400 Scan: 4200 Int = 240 @ 35:00 100% = 58923



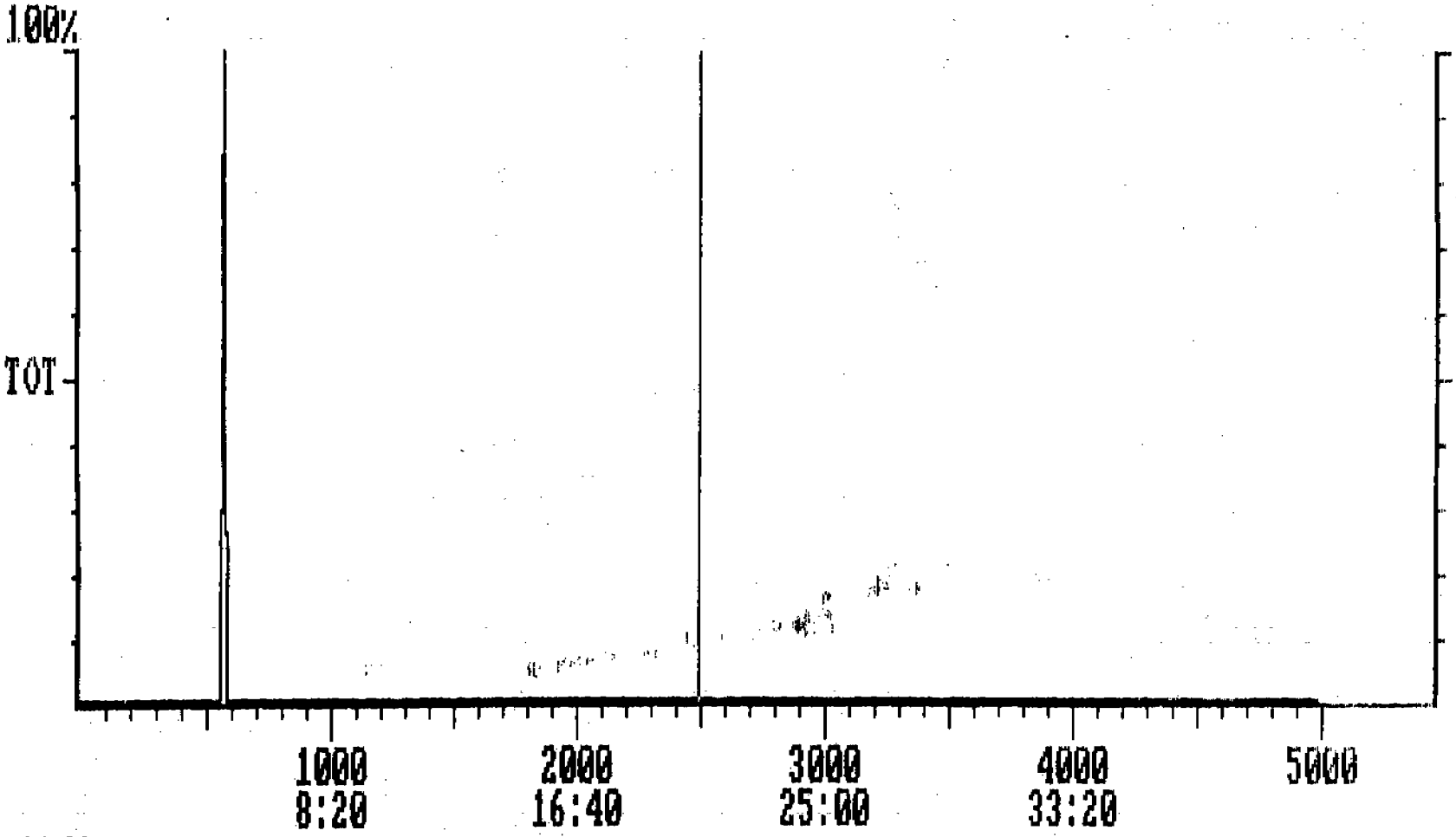
Chromatogram D:BE-6 Acquired: Jul-10-1991 10:5?:35
Comment: BE-SD-6 7-10-91 GC3 TD3 0.04ML
Scan Range: 600 - 8400 Scan: 4500 Int = 234 @ 37:30 100% = 1553





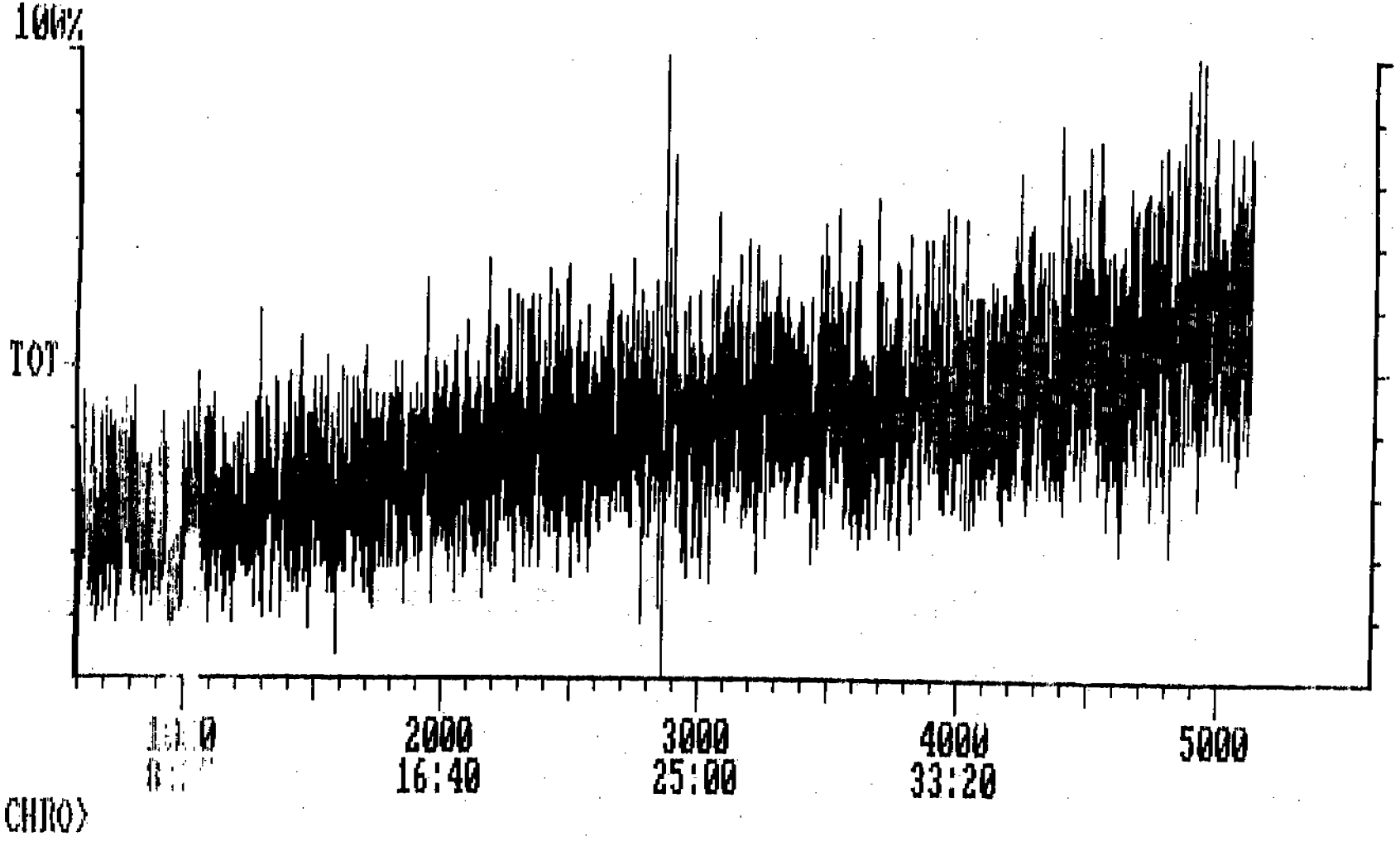
No	Compound/Standard Name	Exp RT	Thrsh	Act RT	Fit S/N	Scan#	Peak Area
1	BENZENE	15:24	200	not found....			

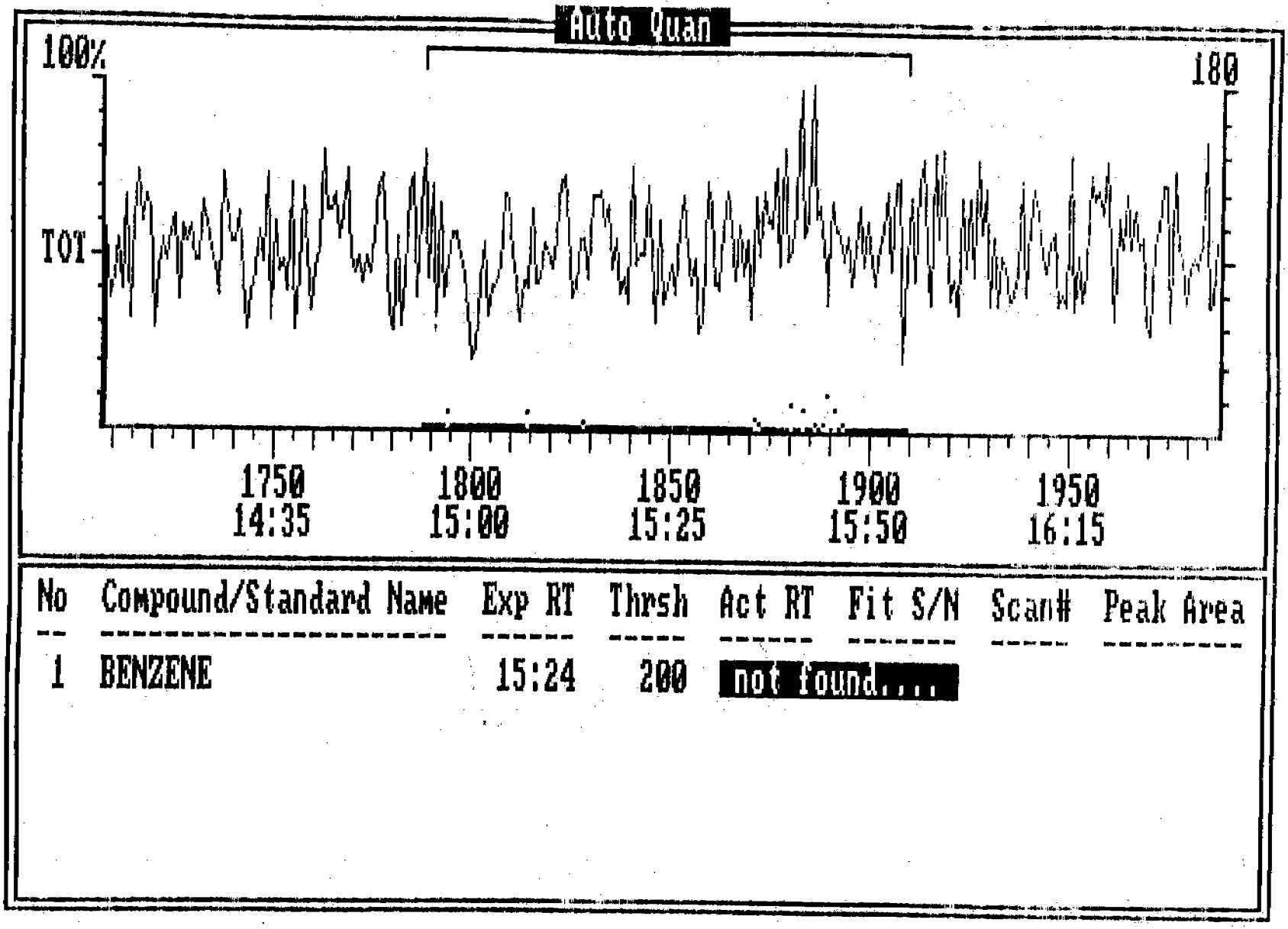
Chromatogram D:BE-6A Acquired: Jul-10-1991 12:25:55
Comment: BE-SD-6 7-10-91 GC3 TD3 2.00ML
Scan Range: 1 - 4949 Scan: 2475 Int = 142 @ 20:38 100% = 65703



CHRO>

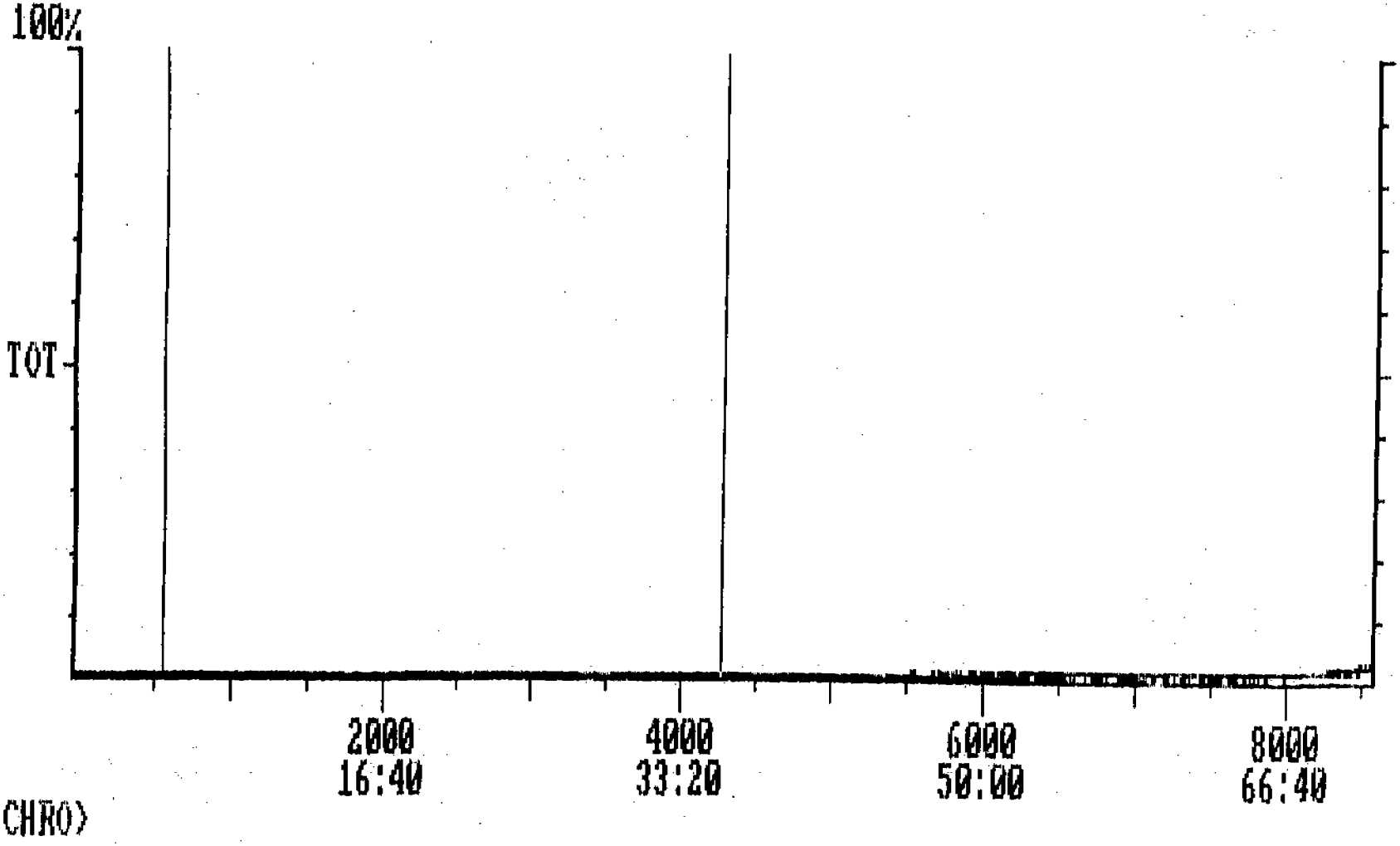
Chroma gram D:BE-6A Acquired: Jul-10-1991 12:25:55
Comment BE-SD-6 7-10-91 GC3 TD3 2.00ML
Scan Range: 600 - 4949 Scan: 2774 Int = 141 @ 23:07 100% = 284





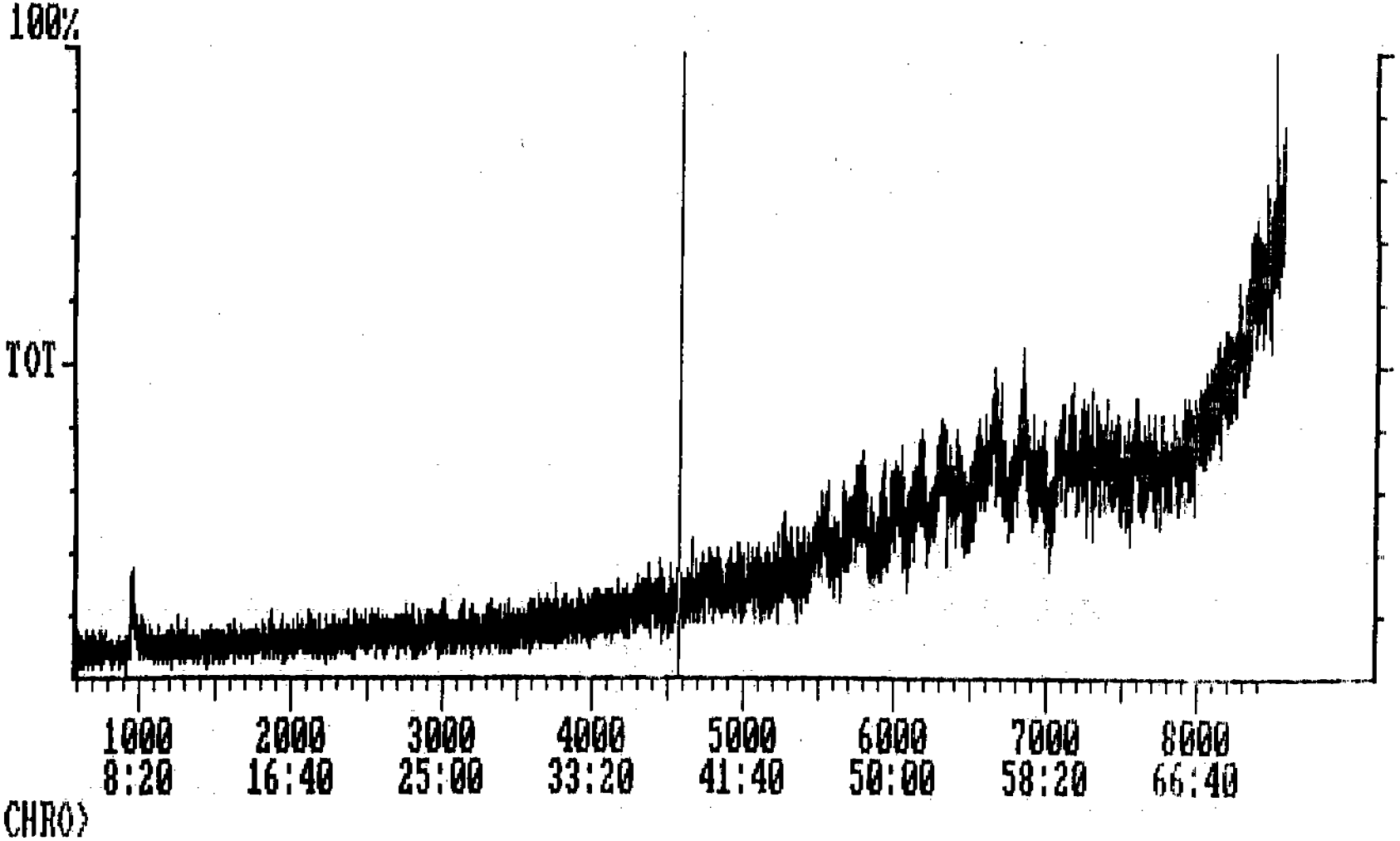
No	Compound/Standard Name	Exp RT	Thrsh	Act RT	Fit S/N	Scan#	Peak Area
1	BENZENE	15:24	200	not found....			

Chromatogram D:BE-7 Acquired: Jul-10-1991 10:34:02
Comment: BE-SD-10 7-11-91 GC3 TD3 0.04ML
Scan Range: 1 - 8400 Scan: 4200 Int = 136 @ 35:00 100% = 61150



CHRO>

Chromatogram D:BE-7 Acquired: Jul-10-1991 10:34:02
Comment: BE-SD-10 7-11-91 GC3 TD3 0.04ML
Scan Range: 600 - 8400 Scan: 4500 Int = 191 @ 37:30 100% = 1803



191
1950
16:15
1900
15:50
1850
15:25
1800
15:00
1750
14:35

Autosampler Page Editor
Total # Entries: 0 Current Entry: 0 Sequence File: Jul-10-1

Data File: BE-7A Post-Run:
Comment: BE-SD-10 7-11-91 GC3 TD3 2.0 ML

Mass Range	20 to 250	
Seconds/Scan	.500	# uScans 1
Acquire Time	70	Minutes
Mult Voltage	1450	volts
Xfer Temperature	290	deg C
Peak Threshold	1	
Fil/Mul Delay	0	seconds
Mass Defect	100	mmu/100amu

AGC on Background mass 45 amu

<Ctrl-S> - Select Scan Mode full/Mid
<Ctrl-C> - Cal gas toggle on/Off
<Ctrl-A> - Acquisition Start
<Ctrl-B> - Begin Auto-Sampler Run

<Alt-F> - File Selection/Management

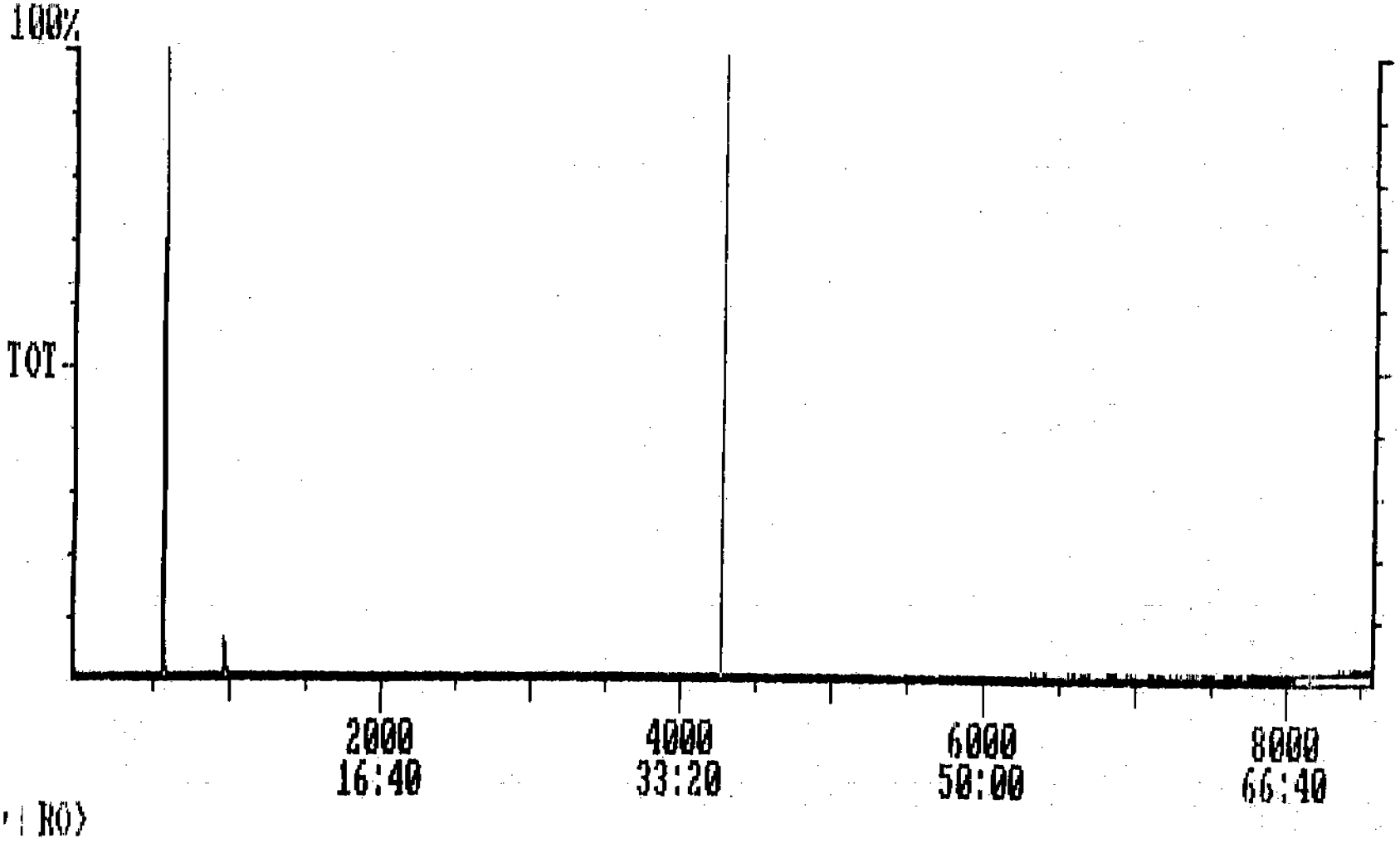
Mid Table

	Mass/Mass Range	Mass/Mass Ra
(1)	20 to 27	(9)
(2)	29 to 31	(10)
(3)	33 to 43	(11)
(4)	45 to 250	(12)
(5)		(13)
(6)		(14)
(7)		(15)
(8)		(16)

Alt(F1 - F10) get mid ranges
Ctrl(F1 - F10) save mid ranges

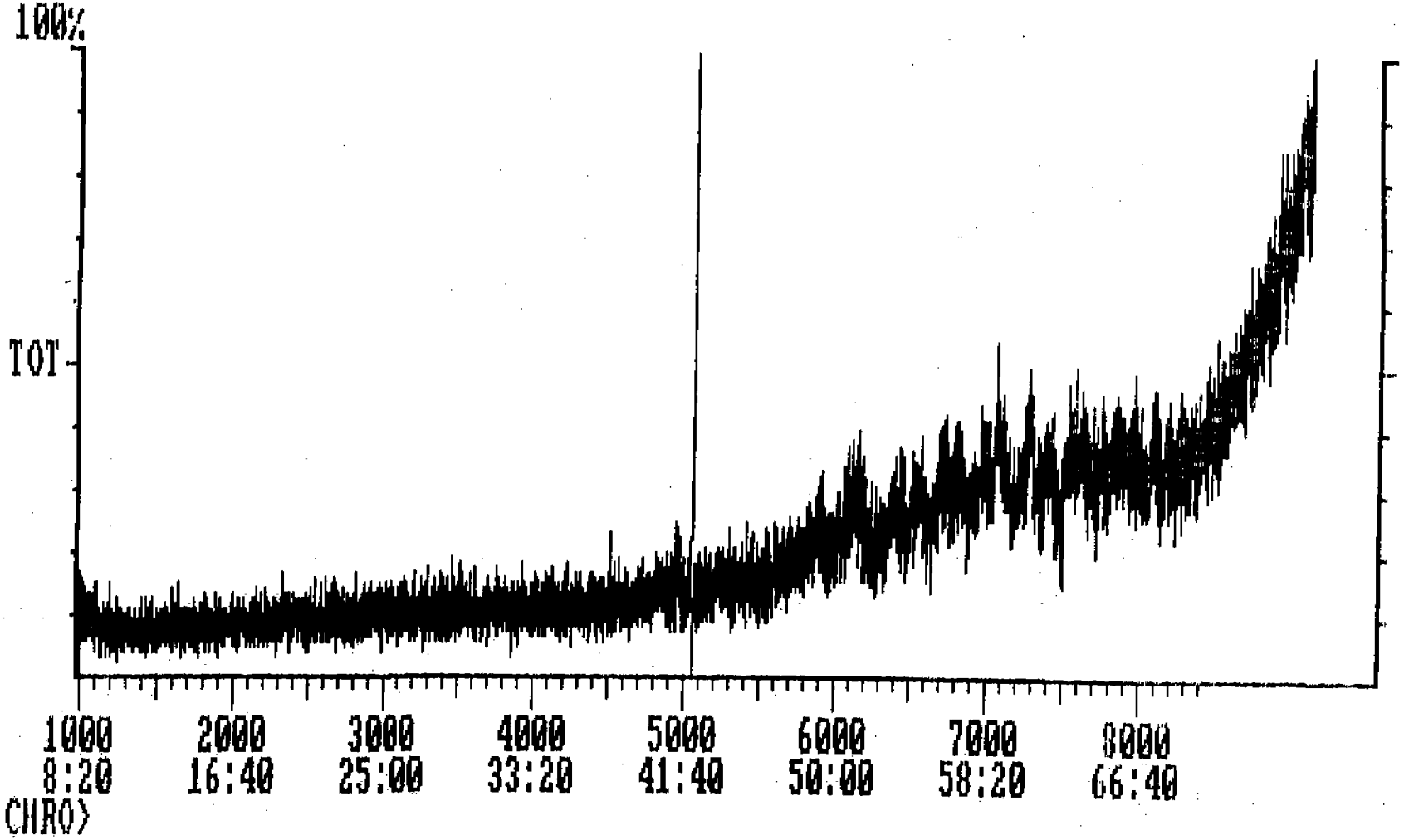
<Ctrl-R> - read from sequence file
<Ctrl-W> - write to sequence file
<Ctrl-D> - delete entry from sequ file

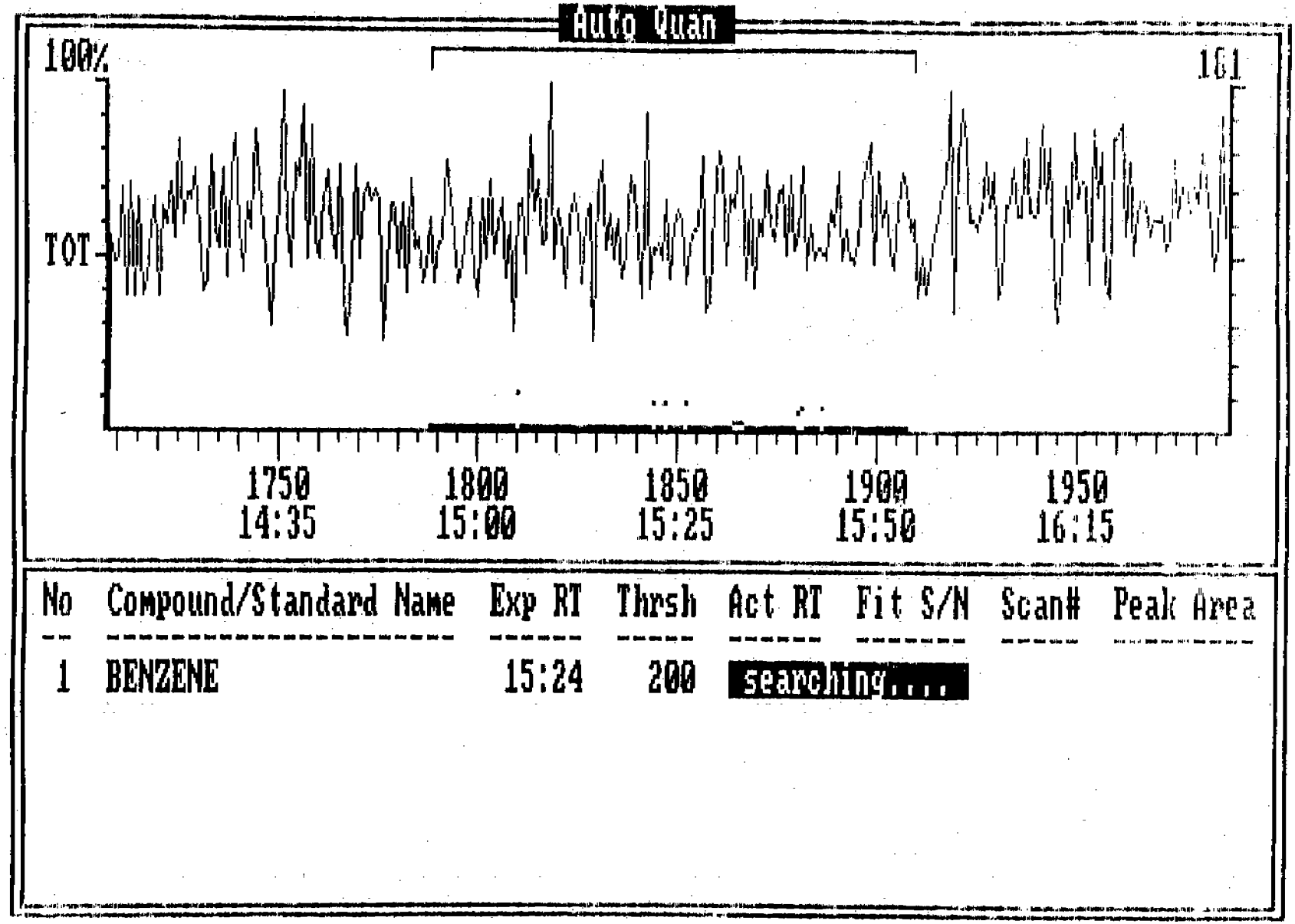
Chromatogram D:BE-7A Acquired: Jul-10-1991 12:23:49
Comment: BE-SD-10 7-11-91 GC3 TD3 2.0 ML
Scan Range: 1 - 8400 Scan: 4200 Int = 124 @ 35:00 100% = 65974



<RO>

Chromatogram D:BE-7A Acquired: Jul-10-1991 12:23:49
Comment: BE-SD-10 7-11-91 GC3 TD3 2.0 ML
Scan Range: 1000 - 8400 Scan: 4700 Int = 180 @ 39:10 100% = 1359

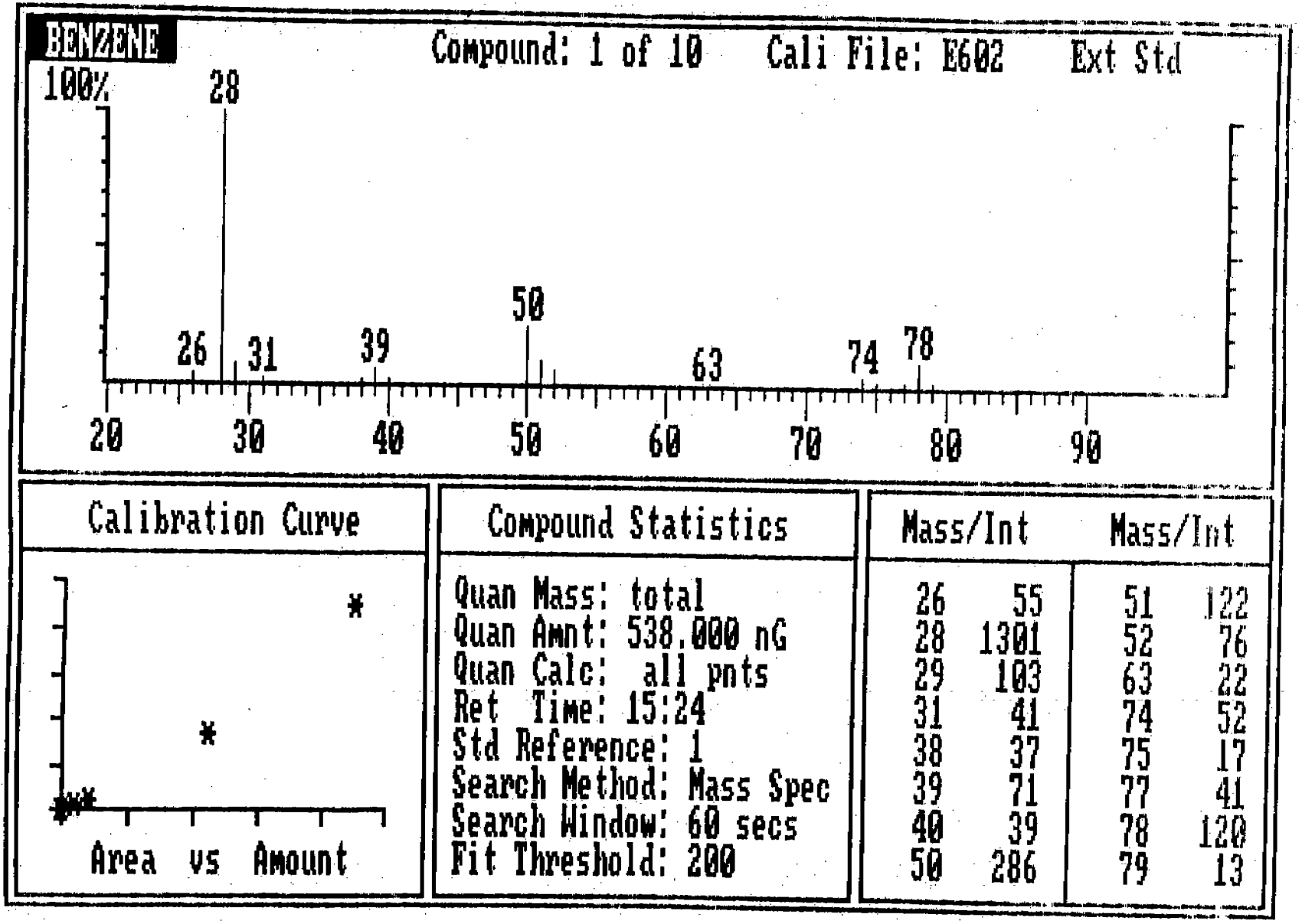




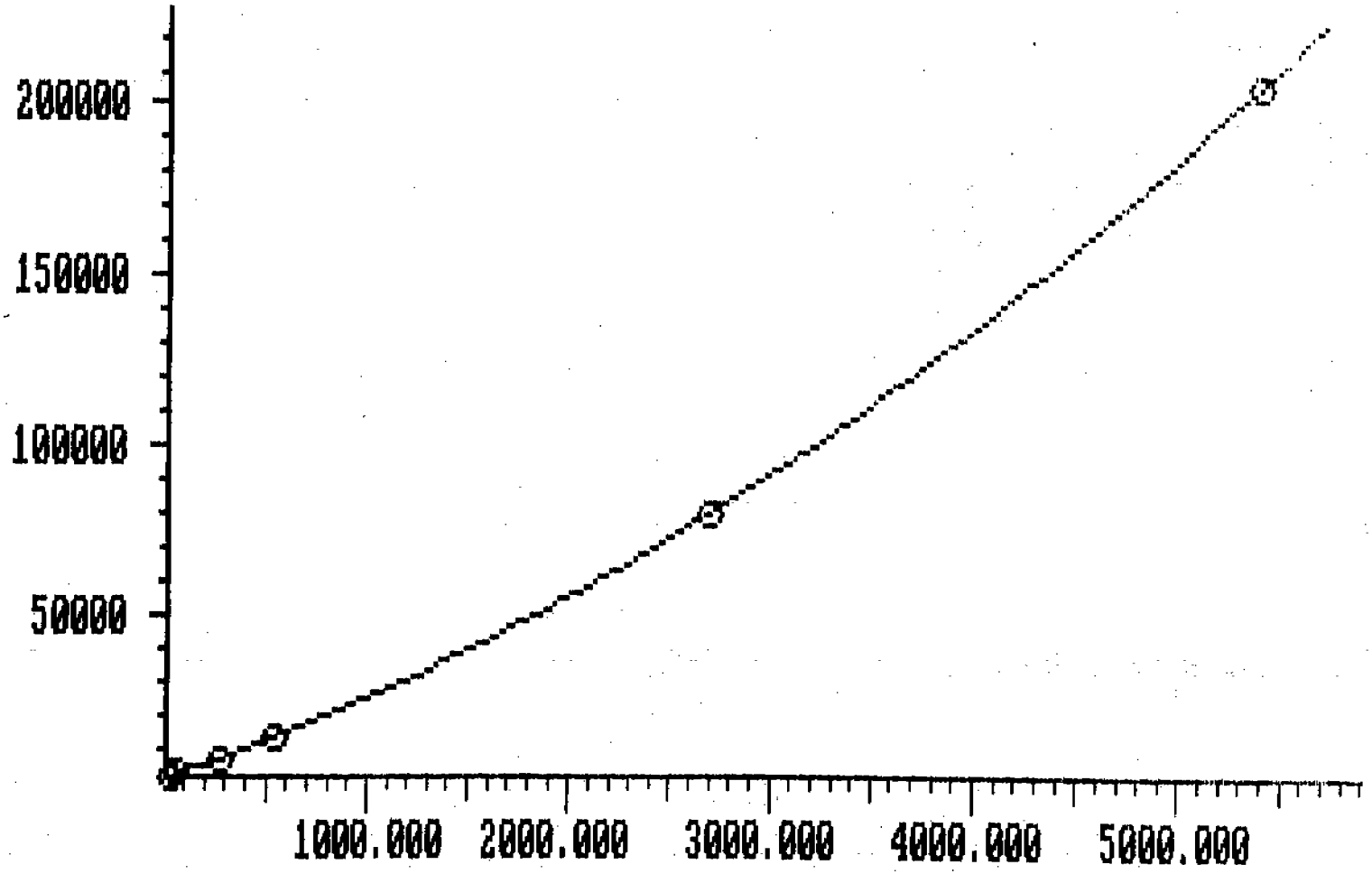
No	Compound/Standard Name	Exp RT	Thrsh	Act RT	Fit S/N	Scan#	Peak Area
1	BENZENE	15:24	200	searching....			

Extern[illegible] Standards Report Filename: E602 Quantitation Mass: total
BENZEN[illegible] Compound: 1 of 10 Calibration Points: 6
Sorte[illegible]a: Entry Order ↑ Units: nG (S) = Standard

[illegible]	Ent Date	Time	Pk Area	Ret T.	Inj Amount	Ar/Amount
1	Jul-08-91	15:13	13,358	15:32	538.000	24.828
2	Jul-08-91	16:03	206,342	15:32	5380.000	38.353
3	Jul-08-91	16:08	5,754	15:42	269.000	21.390
4	Jul-08-91	16:15	2,715	15:43	53.800	50.464
5	Jul-10-91	08:21	79,962	15:23	2690.000	29.725
6	Jul-10-91	13:21	913	15:24	26.900	33.940


BENZENE
Compound: 1 of 10
Cali File: E602
Ext Std
100%
28
26
31
39
50
63
74
78
20
30
40
50
60
70
80
90
Calibration Curve
Area vs Amount
Compound Statistics
Quan Mass: total
Quan Amnt: 538.000 nG
Quan Calc: all pnts
Ret Time: 15:24
Std Reference: 1
Search Method: Mass Spec
Search Window: 60 secs
Fit Threshold: 200
Mass/Int
Mass/Int
26 55
28 1301
29 103
31 41
38 37
39 71
40 39
50 286
51 122
52 76
63 22
74 52
75 17
77 41
78 120
79 13

Calibration Plot (Ext Stds) Filename: E602 Correlation Coeff: 0.993
BENZENE Compound: 1 of 10 Standard Deviation: 0.545
(Peak Area of Sample) vs (Amount of Sample Injected) (Lin:Lin)



COMPLIANCE TEST PROGRAM
BAGHOUSE EXHAUST STACK

BETHENERGY
LACKAWANNA COKE DIVISION
LACKAWANNA, NEW YORK

APPENDIX F

EMISSIONS CALCULATIONS

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY.
SHED BAGHOUSE STACK

DATE: 7-9-91
CHARGE #: ...150-375016
TEST #: BE-SD-1

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PARTICULATE	.00188	6.94503	
PHENOL	.00029	1.08273	.17155
AMMOMIA	.00058	2.13837	1.87537

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2. STACK CONDITIONS

FLOW (ACFM)	489377.
(SCFM)	440754.
MOISTURE CONTENT (%)	2.17
STACK TEMPERATURE (F)	118.7

---

3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	81.956
PERCENT ISOKINETIC	102.34

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-1 7-9-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FFT/SEC
59.84	930.0	649.208	.650	1.32	1.32	97.	90.	5.0	109.	47.3
42.0			.700	1.42	1.42	105.	97.	5.0	115.	49.4
29.8			.800	1.63	1.63	107.	97.	6.0	114.	52.8
19.8			1.050	2.14	2.14	107.	97.	7.5	117.	60.6
11.3			1.000	2.03	2.03	108.	98.	7.0	122.	59.4
3.64	1000.0	671.771	.900	1.83	1.83	109.	98.	6.5	118.	56.2
59.81	1007.0	671.771	.650	1.32	1.32	104.	99.	5.0	119.	47.8
42.0			.600	1.21	1.21	110.	101.	5.0	120.	45.9
29.8			.500	1.01	1.01	110.	102.	4.0	123.	42.0
19.8			.500	1.01	1.01	109.	102.	4.0	122.	42.0
11.3			.500	1.01	1.01	110.	102.	4.0	119.	41.9
3.61	1037.0	690.480	.550	1.11	1.11	111.	103.	4.5	117.	43.9
59.82	1040.0	690.480	.650	1.31	1.31	108.	103.	5.0	116.	47.6
42.0			.700	1.42	1.42	113.	103.	5.5	121.	49.6
29.8			.750	1.51	1.51	114.	105.	6.0	122.	51.4
19.8			.850	1.71	1.71	114.	105.	6.0	121.	54.7
11.3			1.000	2.03	2.03	114.	105.	7.5	122.	59.4
3.62	1110.0	713.128	1.000	2.03	2.03	114.	104.	7.5	117.	59.1
59.83	1115.0	713.128	.700	1.42	1.42	109.	104.	5.5	121.	49.6
42.0			.800	1.63	1.63	113.	104.	6.0	120.	53.0
29.8			1.050	2.14	2.14	114.	105.	8.0	117.	60.6
19.8			1.200	2.44	2.44	115.	105.	8.5	119.	64.9
11.3			1.300	2.65	2.65	115.	105.	9.0	119.	67.5
3.63	1145.0	738.520	1.200	2.44	2.44	114.	104.	8.5	118.	64.8

O R S A T			
CO2	.3	IMPINGER NO. 1	12.8
O2	20.9	2	8.3
CO	.0	3	2.7
N	78.8	4	.0
		ABSORBED H2O	14.7

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	7.5
FINAL LT	.018CFM	11.0

CONTROL BOX NO. 1 PROBE NO. 7-2 NOZZLE NO. 54

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-1 7-9-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG.	29.50
B.	AVG. DELTA H (IN H2O)	1.66
C.	METER PRESSURE (IN. HG.)	29.62
D.	STATIC PRESSURE (IN. H2O)	.45
E.	STATIC PRESSURE (IN. HG.)	.033
F.	STACK PRESSURE (IN. HG.) (A+E)	29.53
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.2090
I.	NOZZLE AREA (SQ. FT.)	.000238
J.	AVG. STACK TEMP (DEG. R.)	578.7
K.	AVG. METER TEMP (DEG. R.)	565.9
L.	CONDENSATE VOL. (ML)	23.8
M.	ABSORBED H2O (ML)	14.7
N.	TOTAL H2O (ML)	38.5
O.	METERED GAS (CF)	89.312
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	88.660
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.964
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	90.624
T.	PERCENT H2O (100R/S)	2.17
	THEORETICAL MAXIMUM	11.36
	PERCENT WATER USED	2.17
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	81.956

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.003	X	.9783	X	44.0	=	.13
CO	.000	X	.9783	X	28.0	=	.00
O2	.209	X	.9783	X	32.0	=	6.54
PHENOL	.000	X	.9783	X	94.1	=	.00
AMMOMIA	.000	X	.9783	X	17.0	=	.00
N2	.788	X	.9783	X	28.2	=	21.74
H2O		X	T/100= .0217	X	18.0	=	.39
					MOLECULAR WEIGHT OF STACK GAS	=	28.80

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	52.98
Y.	AVG. FLOW RATE (CFM) (X*H*60)	489377.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	440754.
	STACK FLOW RATE (DRY)	431204.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC	102.34

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-1 7-9-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
PARTICULATE	.00000	.00200	.00000	.00800
PHENOL	.00000	.00000	.00000	.00000
AMMOMIA	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
PARTICULATE	.00000	.00000
PHENOL	.00000	.00156
AMMOMIA	.00000	.00308

PARTICULATE	.01000
PHENOL	.00156
AMMOMIA	.00308
ALL MATLS.	.01464

PARAMETER	MW	PPM	GR/SCFD	LB/H R
PARTICULATE			.00188	6.94503
PHENOL	94.1	.17	.00029	1.08273
AMMOMIA	17.0	1.88	.00058	2.13837

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY.
SHED BAGHOUSE STACK

DATE: 7-10-91
CHARGE #: ...150-375016
TEST #: BE-SD-7

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PARTICULATE	.00200	7.87129	
PHENOL	.00018	.71125	.10583
AMMOMIA	.00032	1.26012	1.03788

---

2. STACK CONDITIONS

FLOW (ACFM)	515741.
(SCFM)	468062.
MOISTURE CONTENT (%)	1.90
STACK TEMPERATURE (F)	114.3

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	85.468
PERCENT ISOKINETIC	100.23

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY.
BE-SD-7

SHED BAGHOUSE STACK
7-10-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FFT/SEC
59.81	1005.0	804.960	.600	1.24	1.24	107.	103.	8.5	115.	45.7
42.0			.600	1.24	1.42	114.	107.	8.5	120.	45.9
29.8			.800	1.66	1.66	116.	109.	11.5	120.	53.0
19.8			.800	1.66	1.66	116.	108.	11.5	119.	53.0
11.3			.800	1.66	1.66	116.	108.	11.5	120.	53.0
3.61	1035.0	825.900	.700	1.45	1.45	115.	106.	10.0	115.	49.4
59.82	1054.0	828.156	.700	1.45	1.45	112.	109.	2.5	110.	49.2
42.0			.800	1.66	1.66	118.	109.	3.0	115.	52.8
29.8			.900	1.86	1.86	120.	110.	3.0	113.	55.9
19.8			1.000	2.07	2.07	120.	110.	3.0	117.	59.1
11.3			1.100	2.28	2.28	121.	109.	3.5	118.	62.1
3.62	1124.0	852.325	1.100	2.28	2.28	121.	109.	3.5	111.	61.7
59.83	1126.0	852.325	.600	1.24	1.24	116.	109.	2.0	112.	45.6
42.0			.800	1.66	1.66	118.	112.	2.0	115.	52.8
29.8			1.000	2.07	2.07	120.	111.	3.0	112.	58.9
19.8			1.200	2.48	2.48	112.	108.	3.5	105.	64.1
11.3			1.300	2.69	2.69	120.	110.	4.0	117.	67.4
3.63	1156.0	876.876	1.200	2.48	2.48	120.	110.	4.0	116.	64.7
59.84	1217.0	876.867	.600	1.24	1.24	114.	111.	2.0	105.	45.3
42.0			.900	1.86	1.86	121.	113.	3.0	112.	55.9
29.8			1.000	2.07	2.07	121.	112.	3.0	113.	58.9
19.8			1.100	2.28	2.28	122.	110.	4.0	113.	61.8
11.3			1.200	2.48	2.48	122.	111.	4.0	121.	65.0
3.64	1247.0	901.550	1.000	2.07	2.07	122.	111.	3.0	110.	58.8

O R S A T	
CO2	.1
O2	20.9
CO	.0
N	79.0

IMPINGER NO.	
1	3.6
2	11.6
3	1.3
4	.0
ABSORBED H2O	18.7

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	5.0
FINAL LT	.015CFM	12.0

CONTROL BOX NO. 1 PROBE NO. 7-2 NOZZLE NO. 54

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-7 7-10-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.50
B.	AVG. DELTA H (IN H2O)	1.89
C.	METER PRESSURE (IN. HG.)	29.64
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.54
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.2090
I.	NOZZLE AREA (SQ. FT.)	.000238
J.	AVG. STACK TEMP (DEG. R.)	574.3
K.	AVG. METER TEMP (DEG. R.)	573.5
L.	CONDENSATE VOL. (ML)	16.5
M.	ABSORBED H2O (ML)	18.7
N.	TOTAL H2O (ML)	35.2
O.	METERED GAS (CF)	94.343
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	93.654
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.819
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	95.473
T.	PERCENT H2O (100R/S)	1.90
	THEORETICAL MAXIMUM	9.87
	PERCENT WATER USED	1.90
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	85.468

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.001	X	.9810	X	44.0	=	.04
CO	.000	X	.9810	X	28.0	=	.00
O2	.209	X	.9810	X	32.0	=	6.56
PHENOL	.000	X	.9810	X	94.1	=	.00
AMMOMIA	.000	X	.9810	X	17.0	=	.00
N2	.790	X	.9810	X	28.2	=	21.85
H2O		X	T/100= .0190	X	18.0	=	.34
					MOLECULAR WEIGHT OF STACK GAS	=	28.80

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	55.84
Y.	AVG. FLOW RATE (CFM) (X*H*60)	515741.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	468062.
	STACK FLOW RATE (DRY)	459146.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC	100.23

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-7 7-10-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
PARTICULATE	.00000	.00190	.00000	.00920
PHENOL	.00000	.00000	.00000	.00000
AMMOMIA	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
PARTICULATE	.00000	.00000
PHENOL	.00000	.00100
AMMOMIA	.00000	.00178

PARTICULATE	.01110
PHENOL	.00100
AMMOMIA	.00178
ALL MATLS.	.01388

PARAMETER	MW	PPM	GR/SCFD	LB/H R
PARTICULATE			.00200	7.87129
PHENOL	94.1	.11	.00018	.71125
AMMOMIA	17.0	1.04	.00032	1.26012

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY.
SHED BAGHOUSE STACK

DATE: 7-10-91
CHARGE #: ...150-375016
TEST #: BE-SD-11

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PARTICULATE	.00075	2.70198	
PHENOL	.00018	.65609	.10665
AMMOMIA	.00057	2.04449	1.83953

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2. STACK CONDITIONS

FLOW (ACFM)	481356.
(SCFM)	429809.
MOISTURE CONTENT (%)	2.21
STACK TEMPERATURE (F)	123.8

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	80.080
PERCENT ISOKINETIC	102.59

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-11 7-10-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FFT/SEC
59.81	1000.0	931.849	.500	1.02	1.02	103.	100.	3.5	125.	42.1
42.0			.500	1.02	1.02	109.	103.	3.5	125.	42.1
29.8			.600	1.23	1.23	110.	102.	4.0	126.	46.2
19.8			.500	1.02	1.02	111.	102.	3.5	127.	42.2
11.3			.450	.92	.92	110.	102.	3.0	124.	39.9
3.61	1030.0	949.218	.400	.81	.81	109.	101.	3.0	127.	37.7
59.82	1034.0	949.218	.600	1.21	1.21	106.	101.	4.0	125.	46.2
42.0			.800	1.62	1.62	111.	101.	4.5	126.	53.3
29.8			.800	1.62	1.62	111.	102.	4.5	121.	53.1
19.8			.900	1.82	1.82	112.	102.	5.0	120.	56.3
11.3			1.000	2.02	2.02	113.	103.	5.5	121.	59.4
3.62	1104.0	972.065	.950	1.98	1.98	112.	102.	5.0	119.	57.8
59.83	1107.0	972.065	.600	1.21	1.21	108.	102.	4.0	122.	46.0
42.0			.750	1.52	1.52	111.	102.	4.0	125.	51.6
29.8			1.000	2.02	2.02	112.	102.	5.5	125.	59.6
19.8			1.200	2.43	2.43	113.	102.	6.5	126.	65.3
11.3			1.300	2.63	2.63	113.	102.	7.0	122.	67.8
3.63	1137.0	996.845	1.200	2.43	2.43	112.	101.	6.5	121.	65.0
59.84	1140.0	996.845	.550	1.11	1.11	105.	100.	3.5	123.	44.1
42.0			.600	1.21	1.21	108.	100.	3.5	122.	46.0
29.8			.800	1.62	1.62	109.	100.	4.5	123.	53.2
19.8			1.000	2.02	2.02	109.	99.	5.5	125.	59.6
11.3			1.000	2.02	2.02	109.	99.	5.5	126.	59.6
3.64	1210.0	1019.068	.900	1.82	1.82	109.	98.	5.0	124.	56.5

O R S A T			
CO2	.1	IMPINGER NO. 1	8.3
O2	20.8	2	10.9
CO	.0	3	1.7
N	79.1	4	.0
		ABSORBED H2O	17.5

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	5.0
FINAL LT	.005CFM	10.0

CONTROL BOX NO. 1 PROBE NO. 7-2 NOZZLE NO. 54

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-11 7-10-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.50
B.	AVG. DELTA H (IN H2O)	1.60
C.	METER PRESSURE (IN. HG.)	29.62
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.54
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.2090
I.	NOZZLE AREA (SQ. FT.)	.000238
J.	AVG. STACK TEMP (DEG. R.)	583.8
K.	AVG. METER TEMP (DEG. R.)	565.5
L.	CONDENSATE VOL. (ML)	20.9
M.	ABSORBED H2O (ML)	17.5
N.	TOTAL H2O (ML)	38.4
O.	METERED GAS (CF)	87.219
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	86.582
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.958
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	88.540
T.	PERCENT H2O (100R/S)	2.21
	THEORETICAL MAXIMUM	13.04
	PERCENT WATER USED	2.21
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	80.080

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100	X	MOISTURE CORRECTION (1-T/100)	X	MOLECULAR WEIGHT	=	WEIGHT PER MOLE
CO2	.001	X	.9779	X	44.0	=	.04
CO	.000	X	.9779	X	28.0	=	.00
O2	.208	X	.9779	X	32.0	=	6.51
PHENOL	.000	X	.9779	X	94.1	=	.00
AMMOMIA	.000	X	.9779	X	17.0	=	.00
N2	.791	X	.9779	X	28.2	=	21.81
H2O		X	T/100= .0221	X	18.0	=	.40
					MOLECULAR WEIGHT OF STACK GAS	=	28.76

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	52.12
Y.	AVG. FLOW RATE (CFM) (X*H*60)	481356.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	429809.
	STACK FLOW RATE (DRY)	420306.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC	102.59

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO NY. SHED BAGHOUSE STACK
BE-SD-11 7-10-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
PARTICULATE	.00000	.00140	.00000	.00250
PHENOL	.00000	.00000	.00000	.00000
AMMOMIA	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
PARTICULATE	.00000	.00000
PHENOL	.00000	.00095
AMMOMIA	.00000	.00295

PARTICULATE	.00390
PHENOL	.00095
AMMOMIA	.00295
ALL MATLS.	.00780

PARAMETER	MW	PPM	GR/SCFD	LB/H R
PARTICULATE			.00075	2.70198
PHENOL	94.1	.11	.00018	.65609
AMMOMIA	17.0	1.84	.00057	2.04449

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-9-91
CHARGE #: ...150-375016
TEST #: BE-SD-3

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PM 10 <10um	.00058	2.18809	
CYANIDE	.00001	.02188	.01220

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2. STACK CONDITIONS

FLOW (ACFM)	497046.
(SCFM)	454923.
MOISTURE CONTENT (%)	2.51
STACK TEMPERATURE (F)	109.5

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	60.0
SCFD GAS SAMPLED	26.756
PERCENT ISOKINETIC	90.24

The actual flow rate was inputted
and not calculated from the test data.

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-3 7-9-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG FFT/SEC	CORRECTED VELOCITY
59.81	1254.0	747.503	.650	.67	.67	104.	103.	5.0	107.	47.3
42.0			.600	.67	.67	107.	103.	5.0	107.	45.4
29.8			.500	.67	.67	108.	102.	5.0	106.	41.4
19.81	1312.3	756.203	.500	.67	.67	106.	101.	5.0	109.	41.6
59.82	1315.0	756.203	.650	.67	.67	101.	99.	5.0	109.	47.4
42.0			.700	.67	.67	103.	97.	5.0	110.	49.2
29.82	1330.5	763.821	.750	.67	.67	101.	96.	5.0	104.	50.7
59.83	1333.0	763.821	.700	.67	.67	98.	95.	5.0	109.	49.2
42.03	1343.7	768.970	.800	.67	.67	99.	94.	5.0	110.	52.6
59.84	1346.0	768.970	.650	.67	.67	96.	93.	5.0	107.	47.3
42.0			.700	.67	.67	95.	91.	5.0	112.	49.3
29.84	1401.5	776.385	.800	.67	.67	97.	91.	5.0	124.	53.2

O R S A T			
CO2	.3	IMPINGER NO. 1	6.8
O2	20.9	2	1.2
CO	.0	3	1.1
N	78.8	4	.0
		ABSORBED H2O	5.5

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	5.0
FINAL LT	.017CFM	6.0

CONTROL BOX NO. 1 PROBE NO. 7-1 NOZZLE NO. 4

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-3 7-9-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.50
B.	AVG. DELTA H (IN H2O)	.67
C.	METER PRESSURE (IN. HG.)	29.55
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.54
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1880
I.	NOZZLE AREA (SQ. FT.)	.000193
J.	AVG. STACK TEMP (DEG. R.)	569.5
K.	AVG. METER TEMP (DEG. R.)	559.2
L.	CONDENSATE VOL. (ML)	9.1
M.	ABSORBED H2O (ML)	5.5
N.	TOTAL H2O (ML)	14.6
O.	METERED GAS (CF)	28.882
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	28.671
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	.738
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	29.409
T.	PERCENT H2O (100R/S)	2.51
	THEORETICAL MAXIMUM	8.80
	PERCENT WATER USED	2.51
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	26.756

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.003	X	.9749	X	44.0	=	.13
CO	.000	X	.9749	X	28.0	=	.00
O2	.209	X	.9749	X	32.0	=	6.52
CYANIDE	.000	X	.9749	X	26.0	=	.00
N2	.788	X	.9749	X	28.2	=	21.66
H2O		X	T/100= .0251	X	18.0	=	.45
					MOLECULAR WEIGHT OF STACK GAS	=	28.76

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	47.88
Y.	AVG. FLOW RATE (CFM) (X*H*60)	497046.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	454923.
	STACK FLOW RATE (DRY)	443512.
AA.	SAMPLE TIME (SEC)	3600.
BB.	PERCENT ISOKINETIC (J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	90.24

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-3 7-9-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
PM 10 <10um	.00000	.00030	.00000	.00070
CYANIDE	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
PM 10 <10um	.00000	.00000
CYANIDE	.00000	.00001

PM 10 <10um	.00100
CYANIDE	.00001
ALL MATLS.	.00101

PARAMETER	MW	PPM	GR/SCFD	LB/H R
PM 10 <10um			.00058	2.18809
CYANIDE	26.0	.01	.0000058	.0218809

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-10-91
CHARGE #: ...150-375016
TEST #: BE-SD-5

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PM 10 <10um	.00082	3.13879	
CYANIDE	.00003	.10537	.05814

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2. STACK CONDITIONS

FLOW (ACFM)	500767.
(SCFM)	461657.
MOISTURE CONTENT (%)	2.93
STACK TEMPERATURE (F)	107.5

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	60.0
SCFD GAS SAMPLED	26.384
PERCENT ISOKINETIC	95.19

The actual flow rate was inputted
and not calculated from the test data.

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-5 7-10-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FT/SEC
59.84	735.0	776.835	.500	.63	.63	76.	71.	4.5	106.	41.4
42.0			.580	.63	.63	80.	73.	4.5	107.	44.6
29.84	750.3	783.706	.720	.63	.63	83.	76.	4.5	105.	49.7
59.83	754.0	783.706	.550	.63	.63	85.	80.	4.5	105.	43.4
42.03	804.3	788.574	.700	.63	.63	87.	80.	4.5	104.	48.9
59.82	810.0	788.574	.570	.63	.63	83.	81.	4.5	111.	44.4
42.0			.650	.63	.63	89.	81.	4.5	110.	47.4
29.82	825.7	795.954	.720	.63	.63	92.	84.	4.5	110.	49.9
59.81	832.0	795.954	.440	.63	.63	93.	89.	4.5	105.	38.8
42.0			.520	.65	.65	97.	90.	4.5	110.	42.4
29.8			.500	.65	.65	98.	91.	4.5	112.	41.6
19.81	850.7	804.519	.540	.65	.65	100.	93.	4.5	105.	43.0

O R S A T			
CO2	.1	IMPINGER NO. 1	8.3
O2	20.9	2	2.1
CO	.0	3	1.2
N	79.0	4	.0
		ABSORBED H2O	5.3

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	5.0
FINAL LT	.015CFM	6.0

CONTROL BOX NO. 1 PROBE NO. 7-1 NOZZLE NO. 4

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-5 7-10-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.61
B.	AVG. DELTA H (IN H2O)	.64
C.	METER PRESSURE (IN. HG.)	29.66
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.65
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1880
I.	NOZZLE AREA (SQ. FT.)	.000193
J.	AVG. STACK TEMP (DEG. R.)	567.5
K.	AVG. METER TEMP (DEG. R.)	545.5
L.	CONDENSATE VOL. (ML)	11.6
M.	ABSORBED H2O (ML)	5.3
N.	TOTAL H2O (ML)	16.9
O.	METERED GAS (CF)	27.684
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	27.482
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	.830
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	28.312
T.	PERCENT H2O (100R/S)	2.93
	THEORETICAL MAXIMUM	8.27
	PERCENT WATER USED	2.93
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	26.384

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.001	X	.9707	X	44.0	=	.04
CO	.000	X	.9707	X	28.0	=	.00
O2	.209	X	.9707	X	32.0	=	6.49
CYANIDE	.000	X	.9707	X	26.0	=	.00
N2	.790	X	.9707	X	28.2	=	21.62
H2O		X	T/100= .0293	X	18.0	=	.53
					MOLECULAR WEIGHT OF STACK GAS	=	28.69

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	44.63
Y.	AVG. FLOW RATE (CFM) (X*H*60)	500767.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	461657.
	STACK FLOW RATE (DRY)	448123.
AA.	SAMPLE TIME (SEC)	3600.
BB.	PERCENT ISOKINETIC (J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	95.19

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-5 7-10-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
PM 10 <10um	.00000	.00050	.00000	.00090
CYANIDE	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
PM 10 <10um	.00000	.00000
CYANIDE	.00000	.00005

PM 10 <10um	.00140
CYANIDE	.00005
ALL MATLS.	.00145

PARAMETER	MW	PPM	GR/SCFD	LB/H R
PM 10 <10um			.00082	3.13879
CYANIDE	26.0	.06	.00003	.10537

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-9-91
CHARGE #: ...150-375016
TEST #: BE-SD-9

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR	PPM
PM 10 <10um	.00024	.87389	
CYANIDE	.00002	.07865	.04499

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2. STACK CONDITIONS

FLOW (ACFM)	486365.
(SCFM)	446061.
MOISTURE CONTENT (%)	3.10
STACK TEMPERATURE (F)	108.3

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	60.0
SCFD GAS SAMPLED	26.116
PERCENT ISOKINETIC	97.14

The actual flow rate was inputted
and not calculated from the test data.

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-9 7-9-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FT/SEC
59.81	803.0	903.088	.450	.65	.65	90.	88.	4.0	108.	39.5
42.0			.500	.65	.65	95.	89.	4.0	107.	41.5
29.8			.500	.65	.65	95.	89.	4.0	105.	41.5
19.81	821.3	911.606	.400	.65	.65	95.	89.	4.0	108.	37.2
59.82	823.0	911.606	.600	.65	.65	93.	89.	4.0	105.	45.4
42.0			.500	.65	.65	96.	89.	4.0	108.	41.6
29.82	838.7	918.983	.700	.65	.65	97.	89.	4.0	108.	49.2
59.83	841.0	918.983	.450	.65	.65	96.	90.	4.0	106.	39.4
42.03	851.3	923.781	.700	.65	.65	98.	91.	4.0	111.	49.3
59.84	908.0	923.781	.500	.65	.65	97.	94.	4.0	111.	41.7
42.0			.600	.65	.65	102.	97.	4.0	113.	45.8
29.84	923.7	931.004	.750	.65	.65	103.	97.	4.0	110.	51.0

O R S A T			
CO2	.1	IMPINGER NO. 1	11.0
O2	20.8	2	1.8
CO	.0	3	.0
N	79.1	4	.0
		ABSORBED H2O	4.9

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.875	1-28-91
METER	0.9927	1-28-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	6.5
FINAL LT	.005CFM	5.5

CONTROL BOX NO. 1 PROBE NO. 7-1 NOZZLE NO. 4

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-9 7-9-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.50
B.	AVG. DELTA H (IN H2O)	.65
C.	METER PRESSURE (IN. HG.)	29.55
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.54
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1880
I.	NOZZLE AREA (SQ. FT.)	.000193
J.	AVG. STACK TEMP (DEG. R.)	568.3
K.	AVG. METER TEMP (DEG. R.)	553.7
L.	CONDENSATE VOL. (ML)	12.8
M.	ABSORBED H2O (ML)	4.9
N.	TOTAL H2O (ML)	17.7
O.	METERED GAS (CF)	27.916
P.	GAS METER CORRECTION	.9927
Q.	CORRECTED METERED GAS (CF)	27.712
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	.886
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	28.598
T.	PERCENT H2O (100R/S)	3.10
	THEORETICAL MAXIMUM	8.30
	PERCENT WATER USED	3.10
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	26.116

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.001	X	.9690	X	44.0	=	.04
CO	.000	X	.9690	X	28.0	=	.00
O2	.208	X	.9690	X	32.0	=	6.45
CYANIDE	.000	X	.9690	X	26.0	=	.00
N2	.791	X	.9690	X	28.2	=	21.62
H2O		X	T/100= .0310	X	18.0	=	.56
					MOLECULAR WEIGHT OF STACK GAS	=	28.67

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	43.59
Y.	AVG. FLOW RATE (CFM) (X*H*60)	486365.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	446061.
	STACK FLOW RATE (DRY)	432249.
AA.	SAMPLE TIME (SEC)	3600.
BB.	PERCENT ISOKINETIC (J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	97.14

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-9-91
CHARGE #: ...150-375016
TEST #: BE-SD-2

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.00024	.94409
ACENAPHTHYLENE	.00012	.47989
ACENAPHTHENE	.00000	.00000
FLUORENE	.00005	.18224
PHENANTHRENE	.00006	.24292
ANTHRACENE	.00002	.06471
FLUORANTHENE	.00004	.15806
PYRENE	.00007	.28535
BENZ A ANTHRACE	.0000013	.0050917
CHRYSENE	.0000002	.0008486
BENZO b FLUORAN	.00000	.00000
BENZO k FLUORAN	.0000000	.0001061
BENZO a PYRENE	.0000000	.0001061
DIBENZ a,h ANTH	.0000001	.0005304
BENZO g,h,i PER	.00000	.00000
INDENO 1,2,3-C,	.0000001	.0002122

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2. STACK CONDITIONS

FLOW (ACFM)	504552.
(SCFM)	460893.
MOISTURE CONTENT (%)	2.03
STACK TEMPERATURE (F)	110.5

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	56.188
PERCENT ISOKINETIC	100.09

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-2 7-9-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FFT/SEC
59.81	931.0	562.745	.600	.48	.48	103.	95.	3.0	103.	45.3
42.0			.600	.52	.52	105.	92.	3.0	105.	45.3
29.8			.700	.57	.57	106.	94.	3.0	105.	49.0
19.8			.600	.48	.48	108.	93.	3.0	115.	45.7
11.3			.550	.44	.44	108.	94.	2.5	115.	43.8
3.61	1001.0	574.839	.550	.44	.44	109.	93.	2.5	110.	43.6
59.82	1005.0	574.839	.700	.57	.57	107.	95.	3.0	110.	49.2
42.0			.700	.57	.57	112.	96.	3.0	110.	49.2
29.8			.700	.64	.64	113.	96.	3.0	108.	49.1
19.8			.900	.82	.82	113.	97.	3.5	110.	55.8
11.3			1.100	1.00	1.00	115.	98.	3.5	110.	61.7
3.62	1035.0	590.150	1.100	1.00	1.00	117.	98.	3.5	108.	61.5
59.83	1038.0	590.150	.600	.55	.55	110.	99.	2.0	110.	45.5
42.0			.900	.82	.82	114.	99.	3.0	110.	55.8
29.8			1.000	.91	.91	116.	99.	3.0	111.	58.8
19.8			1.300	1.19	1.19	116.	99.	4.0	112.	67.1
11.3			1.500	1.37	1.37	118.	99.	4.0	114.	72.2
3.63	1108.0	606.970	1.300	1.19	1.19	119.	99.	4.0	115.	67.3
59.84	1114.0	606.970	.600	.55	.55	110.	98.	2.5	115.	45.7
42.0			.800	.73	.73	113.	98.	3.0	112.	52.7
29.8			1.000	.91	.91	115.	99.	3.5	111.	58.8
19.8			1.100	1.00	1.00	116.	99.	3.5	112.	61.8
11.3			1.200	1.09	1.09	117.	99.	4.0	112.	64.5
3.64	1144.0	623.345	1.100	1.00	1.00	118.	99.	3.5	110.	61.7

O R S A T			
CO2	.2	IMPINGER NO. 1	16.2
O2	20.8	2	.0
CO	.0	3	.2
N	79.0	4	.0
		ABSORBED H2O	8.3

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.691	1-30-91
METER	1.0031	1-30-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL		
FINAL	LT .014CFM	6.5

CONTROL BOX NO. 3 PROBE NO. 7-3 NOZZLE NO. 24

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-2 7-9-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG.	29.50
B.	AVG. DELTA H (IN H2O)	.79
C.	METER PRESSURE (IN. HG.)	29.56
D.	STATIC PRESSURE (IN. H2O)	.45
E.	STATIC PRESSURE (IN. HG.)	.033
F.	STACK PRESSURE (IN. HG.) (A+E)	29.53
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1710
I.	NOZZLE AREA (SQ. FT.)	.000159
J.	AVG. STACK TEMP (DEG. R.)	570.5
K.	AVG. METER TEMP (DEG. R.)	564.7
L.	CONDENSATE VOL. (ML)	16.4
M.	ABSORBED H2O (ML)	8.3
N.	TOTAL H2O (ML)	24.7
O.	METERED GAS (CF)	60.600
P.	GAS METER CORRECTION	1.0031
Q.	CORRECTED METERED GAS (CF)	60.788
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.260
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	62.048
T.	PERCENT H2O (100R/S)	2.03
	THEORETICAL MAXIMUM	9.06
	PERCENT WATER USED	2.03
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	56.188

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100	X	MOISTURE CORRECTION (1-T/100)	X	MOLECULAR WEIGHT	=	WEIGHT PER MOLE
CO2	.002	X	.9797	X	44.0	=	.09
CO	.000	X	.9797	X	28.0	=	.00
O2	.208	X	.9797	X	32.0	=	6.52
N2	.790	X	.9797	X	28.2	=	21.83
H2O		X	T/100= .0203	X	18.0	=	.37
					MOLECULAR WEIGHT OF STACK GAS	=	28.80

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	54.63
Y.	AVG. FLOW RATE (CFM) (X*H*60)	504552.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	460893.
	STACK FLOW RATE (DRY)	451534.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC (J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	100.09

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-2 7-9-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
NAPHTHALENE	.00000	.00000	.00000	.00000
ACENAPHTHYLENE	.00000	.00000	.00000	.00000
ACENAPHTHENE	.00000	.00000	.00000	.00000
FLUORENE	.00000	.00000	.00000	.00000
PHENANTHRENE	.00000	.00000	.00000	.00000
ANTHRACENE	.00000	.00000	.00000	.00000
FLUORANTHENE	.00000	.00000	.00000	.00000
PYRENE	.00000	.00000	.00000	.00000
BENZ A ANTHRACE	.00000	.00000	.00000	.00000
CHRYSENE	.00000	.00000	.00000	.00000
BENZO b FLUORAN	.00000	.00000	.00000	.00000
BENZO k FLUORAN	.00000	.00000	.00000	.00000
BENZO a PYRENE	.00000	.00000	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000	.00000	.00000
BENZO g,h,i PER	.00000	.00000	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
NAPHTHALENE	.00000	.00089
ACENAPHTHYLENE	.00000	.00045
ACENAPHTHENE	.00000	.00000
FLUORENE	.00000	.00017
PHENANTHRENE	.00000	.00023
ANTHRACENE	.00000	.00006
FLUORANTHENE	.00000	.00015
PYRENE	.00000	.00027
BENZ A ANTHRACE	.00000	.00000
CHRYSENE	.00000	.00000
BENZO b FLUORAN	.00000	.00000
BENZO k FLUORAN	.00000	.00000
BENZO a PYRENE	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000
BENZO g,h,i PER	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-2 7-9-91

TOTALS

NAPHTHALENE	.00089
ACENAPHTHYLENE	.00045
ACENAPHTHENE	.00000
FLUORENE	.00017
PHENANTHRENE	.00023
ANTHRACENE	.00006
FLUORANTHENE	.00015
PYRENE	.00027
BENZ A ANTHRACE	.0000048
CHRYSENE	.0000008
BENZO b FLUORAN	.00000
BENZO k FLUORAN	.0000001
BENZO a PYRENE	.0000001
DIBENZ a,h ANTH	.0000005
BENZO g,h,i PER	.00000
INDENO 1,2,3-C,	.0000002
ALL MATLS.	.00223

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.0002439	.9440876
ACENAPHTHYLENE	.0001240	.4798935
ACENAPHTHENE	.0000000	.0000000
FLUORENE	.0000471	.1822407
PHENANTHRENE	.0000628	.2429169
ANTHRACENE	.0000167	.0647071
FLUORANTHENE	.0000408	.1580551
PYRENE	.0000737	.2853478
BENZ A ANTHRACE	.0000013	.0050917
CHRYSENE	.0000002	.0008486
BENZO b FLUORAN	.0000000	.0000000
BENZO k FLUORAN	.0000000	.0001061
BENZO a PYRENE	.0000000	.0001061
DIBENZ a,h ANTH	.0000001	.0005304
BENZO g,h,i PER	.0000000	.0000000
INDENO 1,2,3-C,	.0000001	.0002122

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-10-91
CHARGE #: ...150-375016
TEST #: BE-SD-8

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.00015	.56460
ACENAPHTHYLENE	.00006	.22713
ACENAPHTHENE	.00000	.00000
FLUORENE	.00004	.14590
PHENANTHRENE	.00007	.26108
ANTHRACENE	.00002	.05694
FLUORANTHENE	.00003	.12463
PYRENE	.00005	.20306
BENZ A ANTHRACE	.0000028	.0105291
CHRYSENE	.0000005	.0019339
BENZO b FLUORAN	.0000000	.0001074
BENZO k FLUORAN	.0000003	.0009670
BENZO a PYRENE	.00000	.00000
DIBENZ a,h ANTH	.0000001	.0005372
BENZO g,h,i PER	.00000	.00000
INDENO 1,2,3-C,	.0000000	.0001074

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2. STACK CONDITIONS

FLOW (ACFM)	485897.
(SCFM)	440828.
MOISTURE CONTENT (%)	1.78
STACK TEMPERATURE (F)	116.7

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	53.193
PERCENT ISOKINETIC	98.82

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-8 7-10-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FT/SEC
59.84	1006.0	602.352	.550	.45	.45	102.	100.	5.0	109.	43.5
42.0			.650	.53	.53	103.	102.	6.0	111.	47.3
29.8			.850	.69	.69	104.	103.	7.0	113.	54.2
19.8			1.000	.82	.82	105.	102.	8.0	109.	58.6
11.3			1.100	.90	.90	104.	103.	8.5	114.	61.7
3.64	1036.0	617.667	1.000	.82	.82	104.	104.	8.0	114.	58.8
59.81	1054.0	617.667	.550	.45	.45	108.	107.	5.5	115.	43.7
42.0			.550	.45	.45	109.	108.	6.0	109.	43.5
29.8			.700	.57	.57	109.	108.	7.0	110.	49.1
19.8			.600	.49	.49	109.	108.	6.0	114.	45.6
11.3			.500	.41	.41	109.	108.	5.5	113.	41.6
3.61	1124.0	630.203	.400	.32	.32	109.	108.	5.0	116.	37.3
59.82	1126.0	630.203	.600	.49	.49	108.	108.	6.0	121.	45.9
42.0			.700	.57	.57	108.	108.	6.5	118.	49.4
29.8			.800	.65	.65	109.	108.	7.0	117.	52.8
19.8			.900	.73	.73	108.	107.	7.0	122.	56.2
11.3			1.050	.85	.85	108.	108.	8.0	122.	60.7
3.62	1156.0	645.127	1.000	.81	.81	109.	108.	8.0	122.	59.3
59.83	1217.0	645.127	.550	.45	.45	111.	109.	5.5	122.	43.9
42.0			.800	.65	.65	112.	111.	7.0	118.	52.8
29.8			1.000	.81	.81	111.	111.	8.0	122.	59.3
19.8			1.200	.97	.97	110.	109.	8.5	117.	64.6
11.3			1.300	1.05	1.05	109.	109.	9.0	128.	67.9
3.63	1247.0	661.119	1.200	.97	.97	109.	108.	8.5	124.	65.0

O R S A T	
CO2	.2
O2	20.8
CO	.0
N	79.0

IMPINGER NO.	
1	12.2
2	.0
3	.3
4	.0
ABSORBED H2O	8.0

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.669	2-01-91
METER	0.9805	2-01-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	6.5
FINAL LT	.016CFM	11.0

CONTROL BOX NO. 4 PROBE NO. 7-3 NOZZLE NO. 24

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-8 7-10-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG	29.61
B.	AVG. DELTA H (IN H2O)	.66
C.	METER PRESSURE (IN. HG.)	29.66
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.65
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1710
I.	NOZZLE AREA (SQ. FT.)	.000159
J.	AVG. STACK TEMP (DEG. R.)	576.7
K.	AVG. METER TEMP (DEG. R.)	567.3
L.	CONDENSATE VOL. (ML)	12.5
M.	ABSORBED H2O (ML)	8.0
N.	TOTAL H2O (ML)	20.5
O.	METERED GAS (CF)	58.767
P.	GAS METER CORRECTION	.9805
Q.	CORRECTED METERED GAS (CF)	57.621
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.047
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	58.668
T.	PERCENT H2O (100R/S)	1.78
	THEORETICAL MAXIMUM	10.70
	PERCENT WATER USED	1.78
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	53.193

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.002	X	.9822	X	44.0	=	.09
CO	.000	X	.9822	X	28.0	=	.00
O2	.208	X	.9822	X	32.0	=	6.54
N2	.790	X	.9822	X	28.2	=	21.88
H2O		X	T/100= .0178	X	18.0	=	.32
					MOLECULAR WEIGHT OF STACK GAS	=	28.83

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS) [85.49*W*SQRT{(J*DELTA P)/(V*F)}]	52.61
Y.	AVG. FLOW RATE (CFM) (X*H*60)	485897.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	440828.
	STACK FLOW RATE (DRY)	432961.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC (J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	98.82

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-8 7-10-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
NAPHTHALENE	.00000	.00000	.00000	.00000
ACENAPHTHYLENE	.00000	.00000	.00000	.00000
ACENAPHTHENE	.00000	.00000	.00000	.00000
FLUORENE	.00000	.00000	.00000	.00000
PHENANTHRENE	.00000	.00000	.00000	.00000
ANTHRACENE	.00000	.00000	.00000	.00000
FLUORANTHENE	.00000	.00000	.00000	.00000
PYRENE	.00000	.00000	.00000	.00000
BENZ A ANTHRACE	.00000	.00000	.00000	.00000
CHRYSENE	.00000	.00000	.00000	.00000
BENZO b FLUORAN	.00000	.00000	.00000	.00000
BENZO k FLUORAN	.00000	.00000	.00000	.00000
BENZO a PYRENE	.00000	.00000	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000	.00000	.00000
BENZO g,h,i PER	.00000	.00000	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
NAPHTHALENE	.00000	.00053
ACENAPHTHYLENE	.00000	.00021
ACENAPHTHENE	.00000	.00000
FLUORENE	.00000	.00014
PHENANTHRENE	.00000	.00024
ANTHRACENE	.00000	.00005
FLUORANTHENE	.00000	.00012
PYRENE	.00000	.00019
BENZ A ANTHRACE	.00000	.00001
CHRYSENE	.00000	.00000
BENZO b FLUORAN	.00000	.00000
BENZO k FLUORAN	.00000	.00000
BENZO a PYRENE	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000
BENZO g,h,i PER	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-8 7-10-91

TOTALS

NAPHTHALENE	.00053
ACENAPHTHYLENE	.00021
ACENAPHTHENE	.00000
FLUORENE	.00014
PHENANTHRENE	.00024
ANTHRACENE	.00005
FLUORANTHENE	.00012
PYRENE	.00019
BENZ A ANTHRACE	.0000098
CHRYSENE	.0000018
BENZO b FLUORAN	.0000001
BENZO k FLUORAN	.0000009
BENZO a PYRENE	.00000
DIBENZ a,h ANTH	.0000005
BENZO g,h,i PER	.00000
INDENO 1,2,3-C,	.0000001
ALL MATLS.	.00149

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.0001521	.5645953
ACENAPHTHYLENE	.0000612	.2271274
ACENAPHTHENE	.0000000	.0000000
FLUORENE	.0000393	.1459031
PHENANTHRENE	.0000704	.2610784
ANTHRACENE	.0000153	.0569430
FLUORANTHENE	.0000336	.1246300
PYRENE	.0000547	.2030609
BENZ A ANTHRACE	.0000028	.0105291
CHRYSENE	.0000005	.0019339
BENZO b FLUORAN	.0000000	.0001074
BENZO k FLUORAN	.0000003	.0009670
BENZO a PYRENE	.0000000	.0000000
DIBENZ a,h ANTH	.0000001	.0005372
BENZO g,h,i PER	.0000000	.0000000
INDENO 1,2,3-C,	.0000000	.0001074

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y.
SHED BAGHOUSE STACK

DATE: 7-11-91
CHARGE #: ...150-375016
TEST #: BE-SD-12

1. EMISSION RESULTS

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.00012	.43674
ACENAPHTHYLENE	.00005	.17050
ACENAPHTHENE	.00000	.00000
FLUORENE	.00003	.10924
PHENANTHRENE	.00006	.23176
ANTHRACENE	.00002	.06638
FLUORANTHENE	.00003	.12927
PYRENE	.00007	.24690
BENZ A ANTHRACE	.0000024	.0090841
CHRYSENE	.0000006	.0020963
BENZO b FLUORAN	.00000	.00000
BENZO k FLUORAN	.0000006	.0022128
BENZO a PYRENE	.0000000	.0001165
DIBENZ a,h ANTH	.0000001	.0002329
BENZO g,h,i PER	.0000001	.0002329
INDENO 1,2,3-C,	.0000001	.0002329

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2. STACK CONDITIONS

FLOW (ACFM)	491502.
(SCFM)	444323.
MOISTURE CONTENT (%)	2.20
STACK TEMPERATURE (F)	116.6

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3. SAMPLING CONDITIONS

SAMPLE TIME (MIN.)	120.0
SCFD GAS SAMPLED	49.252
PERCENT ISOKINETIC	91.17

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-12 7-11-91

FIELD DATA AND VELOCITY CALCULATIONS

POINT	TIME	METER READING (DRY) CF	DELTA P IN.H2O	ORIFICE DELTA H REQ	ORIFICE DELTA H ACT	METER TEMP DEG F IN	METER TEMP DEG F OUT	VACUUM IN.HG.	STACK TEMP DEG F	CORRECTED VELOCITY FT/SEC
59.84	1000.0	671.041	.500	.40	.40	92.	91.	2.0	117.	41.8
42.0			.800	.64	.64	96.	95.	2.5	125.	53.3
29.8			1.000	.80	.80	97.	96.	3.0	121.	59.4
19.8			1.000	.80	.80	97.	97.	3.0	124.	59.5
11.3			1.200	.96	.96	98.	97.	3.5	116.	64.7
3.64	1030.0	685.485	1.100	.88	.88	98.	98.	3.0	122.	62.3
59.81	1034.0	685.485	.500	.40	.40	99.	99.	2.0	111.	41.6
42.0			.500	.40	.40	101.	101.	2.0	116.	41.8
29.8			.600	.48	.48	102.	102.	2.0	114.	45.7
19.8			.700	.56	.56	102.	102.	2.5	115.	49.4
11.3			.600	.48	.48	103.	103.	2.0	114.	45.7
3.61	1104.0	696.700	.400	.32	.32	104.	103.	2.0	110.	37.2
59.82	1107.0	696.700	.600	.48	.48	103.	103.	2.0	115.	45.7
42.0			.700	.56	.56	104.	103.	2.5	120.	49.6
29.8			.900	.72	.72	104.	104.	3.0	110.	55.8
19.8			.900	.72	.72	105.	104.	3.0	116.	56.1
11.3			.900	.72	.72	104.	103.	3.0	116.	56.1
3.62	1137.0	710.371	1.100	.80	.80	104.	103.	3.0	118.	62.1
59.83	1140.0	710.371	.500	.40	.40	103.	102.	2.0	110.	41.6
42.0			.600	.48	.48	103.	102.	2.0	118.	45.9
29.8			1.100	.88	.88	102.	101.	3.0	118.	62.1
19.8			1.300	1.04	1.04	102.	101.	3.5	116.	67.4
11.3			1.300	1.04	1.04	102.	101.	3.5	118.	67.5
3.63	1210.0	725.028	1.200	.96	.96	102.	101.	3.5	118.	64.9

ORSAT	
CO2	.2
O2	20.8
CO	.0
N	79.0

IMPINGER NO.	
1	15.4
2	.0
3	.3
4	.0
ABSORBED H2O	7.8

CONTROL BOX CALIBRATIONS

	FACTOR	DATE
ORIFICE	1.669	2-01-91
METER	0.9805	2-01-91
PITOT	0.84	7-3-91

LEAK CHECK

	RATE	IN.HG
INITIAL LT	0.02CFM	5.0
FINAL LT	.005CFM	5.0

CONTROL BOX NO. 4 PROBE NO. 7-3 NOZZLE NO. 24

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-12 7-11-91

STACK SAMPLING CALCULATIONS

A.	BAROMETRIC PRESSURE IN. HG.	29.50
B.	AVG. DELTA H (IN H2O)	.66
C.	METER PRESSURE (IN. HG.)	29.55
D.	STATIC PRESSURE (IN. H2O)	.50
E.	STATIC PRESSURE (IN. HG.)	.037
F.	STACK PRESSURE (IN. HG.) (A+E)	29.54
G.	STACK DIAMETER (IN.)	168.00
H.	STACK AREA (SQ. FT.)	153.94
	NOZZLE DIAMETER	.1710
I.	NOZZLE AREA (SQ. FT.)	.000159
J.	AVG. STACK TEMP (DEG. R.)	576.6
K.	AVG. METER TEMP (DEG. R.)	560.8
L.	CONDENSATE VOL. (ML)	15.7
M.	ABSORBED H2O (ML)	7.8
N.	TOTAL H2O (ML)	23.5
O.	METERED GAS (CF)	53.987
P.	GAS METER CORRECTION	.9805
Q.	CORRECTED METERED GAS (CF)	52.934
R.	H2O GAS VOLUME (CF) (0.00267N(K/C)	1.191
S.	TOTAL SAMPLED VOLUME (CF) (Q+R)	54.125
T.	PERCENT H2O (100R/S)	2.20
	THEORETICAL MAXIMUM	10.74
	PERCENT WATER USED	2.20
U.	SCFD GAS SAMPLED (528*Q*C/(29.9*K))	49.252

V. MOLECULAR WEIGHT OF STACK GAS

COMPONENT	ORSAT-DRY VOL.PCT./100		MOISTURE CORRECTION (1-T/100)		MOLECULAR WEIGHT		WEIGHT PER MOLE
CO2	.002	X	.9780	X	44.0	=	.09
CO	.000	X	.9780	X	28.0	=	.00
O2	.208	X	.9780	X	32.0	=	6.51
N2	.790	X	.9780	X	28.2	=	21.79
H2O		X	T/100= .0220	X	18.0	=	.40
					MOLECULAR WEIGHT OF STACK GAS	=	28.78

W.	PITOT CORRECTION	.840
X.	AVERAGE CORRECTED VELOCITY (FPS)	53.21
	[85.49*W*SQRT{(J*DELTA P)/(V*F)}]	
Y.	AVG. FLOW RATE (CFM) (X*H*60)	491502.
Z.	STACK FLOW RATE (SCFM) (528*Y/J*F/29.92)	444323.
	STACK FLOW RATE (DRY)	434547.
AA.	SAMPLE TIME (SEC)	7200.
BB.	PERCENT ISOKINETIC	91.17
	(J*100*U*29.92)/(528*X*AA*I*F*(1-T/100))	

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-12 7-11-91

PARAMETER	CYCLONE WT. (G)	MATL.ON FILTER(G)	INSOL.MATL. IN PROBE(G)	SOL.MATL. IN PROBE(G)
NAPHTHALENE	.00000	.00000	.00000	.00000
ACENAPHTHYLENE	.00000	.00000	.00000	.00000
ACENAPHTHENE	.00000	.00000	.00000	.00000
FLUORENE	.00000	.00000	.00000	.00000
PHENANTHRENE	.00000	.00000	.00000	.00000
ANTHRACENE	.00000	.00000	.00000	.00000
FLUORANTHENE	.00000	.00000	.00000	.00000
PYRENE	.00000	.00000	.00000	.00000
BENZ A ANTHRACE	.00000	.00000	.00000	.00000
CHRYSENE	.00000	.00000	.00000	.00000
BENZO b FLUORAN	.00000	.00000	.00000	.00000
BENZO k FLUORAN	.00000	.00000	.00000	.00000
BENZO a PYRENE	.00000	.00000	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000	.00000	.00000
BENZO g,h,i PER	.00000	.00000	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000	.00000	.00000

PARAMETER	INSOL.MATL. IN IMP.(G)	SOLUBLE MATL. IN IMP.(G)
NAPHTHALENE	.00000	.00038
ACENAPHTHYLENE	.00000	.00015
ACENAPHTHENE	.00000	.00000
FLUORENE	.00000	.00009
PHENANTHRENE	.00000	.00020
ANTHRACENE	.00000	.00006
FLUORANTHENE	.00000	.00011
PYRENE	.00000	.00021
BENZ A ANTHRACE	.00000	.00001
CHRYSENE	.00000	.00000
BENZO b FLUORAN	.00000	.00000
BENZO k FLUORAN	.00000	.00000
BENZO a PYRENE	.00000	.00000
DIBENZ a,h ANTH	.00000	.00000
BENZO g,h,i PER	.00000	.00000
INDENO 1,2,3-C,	.00000	.00000

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
AIR QUALITY ENGINEERING

BETHENERGY
BUFFALO N.Y. SHED BAGHOUSE STACK
BE-SD-12 7-11-91

TOTALS

NAPHTHALENE	.00038
ACENAPHTHYLENE	.00015
ACENAPHTHENE	.00000
FLUORENE	.00009
PHENANTHRENE	.00020
ANTHRACENE	.00006
FLUORANTHENE	.00011
PYRENE	.00021
BENZ A ANTHRACE	.0000078
CHRYSENE	.0000018
BENZO b FLUORAN	.00000
BENZO k FLUORAN	.0000019
BENZO a PYRENE	.0000001
DIBENZ a,h ANTH	.0000002
BENZO g,h,i PER	.0000002
INDENO 1,2,3-C,	.0000002
ALL MATLS.	.00121

PARAMETER	GR/SCFD	LB/HR
NAPHTHALENE	.0001173	.4367376
ACENAPHTHYLENE	.0000458	.1705024
ACENAPHTHENE	.0000000	.0000000
FLUORENE	.0000293	.1092426
PHENANTHRENE	.0000622	.2317621
ANTHRACENE	.0000178	.0663841
FLUORANTHENE	.0000347	.1292743
PYRENE	.0000663	.2469023
BENZ A ANTHRACE	.0000024	.0090841
CHRYSENE	.0000006	.0020963
BENZO b FLUORAN	.0000000	.0000000
BENZO k FLUORAN	.0000006	.0022128
BENZO a PYRENE	.0000000	.0001165
DIBENZ a,h ANTH	.0000001	.0002329
BENZO g,h,i PER	.0000001	.0002329
INDENO 1,2,3-C,	.0000001	.0002329

Emission rates are based on the PP method.
The results include total sample train catch

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
3000 Tech Center Drive
Monroeville, PA 15146

PROJECT Bethenergy PROJECT NO. 375016-01
SHEET ____ OF ____
THC lb/hr emissions calculations
DWG BY LEB DATE 8-8-91
CHK BY ____ DATE ____

THC, represented as CH_4, is reported in ppm_v. Using these ppm readings and SCFM and moisture content from Method 5 sample runs the lb/hr for THC emissions can be determined. The SCFM and moisture content can be taken from Method 5 test results because THC were analyzed at the same time as Method 5 sample train was run.

$$ppm = \frac{\text{mol } CH_4}{1\times10^6 \text{ mol AIR}}$$

$$\frac{ppm \text{ mol } CH_4}{1\times10^6 \text{ mol Air}} \times \frac{\text{mol} \cdot °K}{0.08205 L \cdot \text{atm}} \times \frac{1 \text{ atm}}{293°K} \times \frac{1L}{1000 cm^3} \times \frac{(2.54 cm)^3}{1 in^3} \times \frac{(12 in)^3}{1 ft^3} \times SCFM \left(1 - \frac{\%H_2O}{100}\right) \times \frac{60 min}{hr} \times \frac{16 g CH_4}{\text{mol } CH_4} \times \frac{1 lb\ CH_4}{454 g\ CH_4} = \frac{lb\ THC\ (CH_4)}{hr}$$

Simplifying this equation, we obtain:

$$(PPM)(SCFM)\left(1 - \frac{\%H_2O}{100}\right)(2.4907 \times 10^{-6}) = \text{lb } CH_4/hr$$

The following table summarizes calculations performed for THC emissions:

TEST DATE	TEST NO.	PPM_v	SCFM	$1 - \frac{\%H_2O}{100}$	$\frac{lb\ THC\ (CH_4)}{hr}$
7-9-91	1	41.1	440754	0.9783	44.1
7-10-91	2	31.9	468062	0.9810	36.5
7-11-91	3	28.5	429809	0.9779	29.8

ppm number is an average value from the entire sampling period.

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.
3000 Tech Center Drive
Monroeville, PA 15146

PROJECT Bethenergy PROJECT NO. 375016-01
SHEET ____ OF ____
Carbon Monoxide lb/hr emissions calculations
DWG BY DEB DATE ____
CHK BY ____ DATE ____

Using an average CO value (in ppm), and scfm and moisture content from Method 5 test results lb/hr emissions for CO can be determined. Stack exhaust was analyzed for CO at the same time the Method 5 sample trains were run, thus moisture content and scfm from these test results were used.

$$ppm_v = \frac{\text{mol CO}}{1\times10^6 \text{ mol AIR}}$$

$$\frac{ppm_v \text{ mol CO}}{1\times10^6 \text{ mol AIR}} \times \frac{\text{mol}\cdot{}^\circ K}{0.08205\ L\cdot atm} \times \frac{1\ atm}{293^\circ K} \times \frac{1\ L}{1000\ cm^3} \times$$

$$\frac{(2.54\ cm)^3}{in^3} \times \frac{(12in)^3}{ft^3} \times SCFM \times \left(1 - \frac{\%\ H_2O}{1000}\right) \times \frac{60\ min}{hr} \times$$

$$\frac{28g\ CO}{mol\ CO} \times \frac{1\ lb\ CO}{454\ g\ CO} = \quad lb\ CO/hr$$

Simplifying this equation:

$$(ppm_v)(SCFM)\left(1 - \frac{\%\ H_2O}{100}\right)(4.358765\times10^{-6}) = lb\ CO/hr$$

The following table summarizes calculations performed for CO emissions:

TEST DATE	TEST NO.	ppm_v	STACK SCFM	$1 - \frac{\%\ H_2O}{100}$	lb CO/hr
7-9-91	1	11.8	440754 (BE-SD-1)	0.9783	22.18
7-10-91	2	7.3	468062 (BE-SD-7)	0.9810	14.61
7-11-91	3	9.2	429809 (BE-SD-11)	0.9779	16.85

Test numbers in parentheses (under STACK SCFM column) indicate which Method 5 test run % moisture and scfm were taken from.

KEYSTONE ENVIRONMENTAL RESOURCES, INC.
3000 Tech Center Drive
Monroeville, PA 15146

PROJECT Bethenergy PROJECT NO. 37506-01
SHEET ____ OF ____
Benzene emissions calculations DWG BY DEB DATE ____
CHK BY ____ DATE ____

Using an Benzene ppm_v value, obtained from GC analysis of gas bag, stack SCFM, and percent moisture. benzene lb/hr emissions can be determined. Benzene samples were extracted during Method 5 and Method 201A sampling runs. The calculation summary table indicates which test number the SCFM and % moisture were taken from.

$$ppm_v = \frac{\text{mol Benzene}}{1\times10^6 \text{ mol AIR}}$$

$$\frac{ppm_v \text{ mol Benzene}}{1\times10^6 \text{ mol AIR}} \times \frac{\text{mol °K}}{0.08205 \text{ L·atm}} \times \frac{1 \text{ atm}}{293°K} \times$$

$$\frac{1L}{1000cm^3} \times \frac{(2.54cm)^3}{in^3} \times \frac{(12in)^3}{ft^3} \times SCFM \times \left(1 - \frac{\%H_2O}{100}\right)$$

$$\times \frac{60 min}{hr} \times \frac{78 g \text{ Benzene}}{\text{mol Benzene}} \times \frac{1 \text{ lb Benzene}}{454 g \text{ Benzene}} = \frac{\text{lb Benzene}}{hr}$$

Simplifying this equation:

$$(ppm_v)(SCFM)\left(1 - \frac{\%H_2O}{100}\right)(1.214196\times10^{-5}) = \frac{\text{lb Benzene}}{hr}$$

TEST DATE	TEST NO.	ppm_v	STACK FLOW (SCFM)	$1 - \frac{\%H_2O}{100}$	$\frac{\text{lb Benzene}}{hr}$
7-9-91	~~BE-SD-4~~	49.3	454923 (BE-SD-3) M201A	0.9749	265.48
7-10-91	~~BE-SD~~-6	<3.9	461657 (BE-SD-5) M 201 A	0.9707	< 21.22
7-11-91	BE-SD-10	<3.9	429809 (BE-SD-11) M5	0.9779	< 19.90

COMPLIANCE TEST PROGRAM
BAGHOUSE EXHAUST STACK

BETHENERGY
LACKAWANNA COKE DIVISION
LACKAWANNA, NEW YORK

APPENDIX G

CONTINUOUS EMISSIONS MONITORING:
FIELD LOG SHEETS
AND
STRIP CHART

MONITORING STATION
INSTRUMENT DATA SHEET

PLANT	BETHENERGY	DATE	7-9-01	PAGE #	1
LOCATION	[illegible] SHED	TEST # 1		MODEL 600 USED	[illegible]
ACTIVITY #		HEATED LINE #	DUAL	OTHER EQUIP.	
TESTERS	[illegible]	B.P.		COMMENTS	[illegible] READINGS FROM STRIP CHART

TIME	PARAMETER – UNITS					
	THC	CO	O_2	CO_2		
	PPM	PPM	PERCENT	PERCENT		
0930	45.5	4.5	21.0	0.3		
0935	46.4	5.2	20.8	0.5		
0940	45.3	5.2	20.8	0.2		
0945	48.2	18.3	20.6	0.3		
0950	49.2	26.3	20.8	0.2		
0955	42.9	11.0	20.9	0.0		
1000	39.3	18.6	20.9	0.1		
1005	45.7	7.5	20.9	0.2		
1010	45.4	12.1	20.6	0.4		
1015	44.5	13.0	20.5	0.2		
1020	41.4	8.9	20.6	0.3		
1025	46.0	8.0	20.8	0.0		
1030	32.7	7.1	20.8	0.0		
1035	42.6	29.8	20.4	0.4		
1040	41.5	5.6	20.8	0.2		
1045	46.8	11.9	20.7	0.2		
1050	46.7	28.2	20.5	0.4		
1055	48.5	8.6	20.9	0.0		
1100	46.0	10.0	20.9	0.0		
1105	49.9	8.4	20.9	0.0		
1110	38.1	9.2	20.9	0.1		
1115	42.8	20.0	20.8	0.2		
1120	34.2	9.3	20.9	0.2		
1125	38.7	5.4	20.9	0.0		
1130	END					

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

MONITORING STATION
INSTRUMENT DATA SHEET

PLANT	BETHLEHEM	DATE	7-16-91	PAGE #	1
LOCATION	[illegible]	TEST #	2	MODEL 600 USED	CO, O_2 & CO_2
ACTIVITY #		HEATED LINE #	10'	OTHER EQUIP.	
TESTERS	[illegible]	B.P.		COMMENTS	5 MIN INST. READINGS FROM STRIP CHART

TIME	PARAMETER – UNITS					
	THC	CO	O_2	CO_2		
	PPM	PPM	PERCENT	PERCENT		
1005	32.5	0.3	21.1	0.0		
1010	41.2	0.7	21.1	0.0		
1015	36.1	6.9	21.1	0.0		
1020	37.0	0.1	21.0	0.0		
1025	46.6	12.9	21.1	0.0		
1030	37.4	4.7	21.1	0.0		
1035	30.6	5.1	21.0	0.0		
1040	44.8	6.5	21.0	0.0		
1045	38.2	6.8	21.2	0.2		
1050	35.1	5.1	21.2	0.2		
1055	34.9	5.0	21.0	0.2		
1100	35.3	4.8	21.0	0.2		
1105	51.4	4.1	20.9	0.4		
1110	29.0	6.2	20.9	0.2		
1115	30.7	11.3	20.9	0.2		
1120	32.5	10.5	20.9	0.0		
1125	31.2	30.2	20.7	0.4		
1130	27.9	4.0	20.9	0.0		
1135	[illegible]	4.9	20.9	0.0		
1140	[illegible]	4.5	[illegible]	0.0		
1145	1143 TEST STOP	1150 TEST RESUME		PROCESS DELAY		
1150	23.7	24.2	20.9	0.2		
1155	30.0	5.0	20.9	0.0		
1200	26.9	11.7	20.9	0.1		
1205	29.4	10.2	20.9	0.1		
1210	25.6	3.6	20.9	0.0		
1215	24.9	2.6	20.9	0.0		

KEYSTONE ENVIRONMENTAL RESOURCES, INC.

MONITORING STATION
INSTRUMENT DATA SHEET

PLANT	BETHENERGY	DATE	7-1-91	PAGE #	1
LOCATION	[illegible]	TEST #		MODEL 600 USED	[illegible]
ACTIVITY #		HEATED LINE #	DRY	OTHER EQUIP.	
TESTERS	[illegible]	B.P.		COMMENTS	[illegible]

TIME	PARAMETER – UNITS					
	THC	CO	O_2	CO_2		
	PPM	PPM	PERCENT	PERCENT		
~~1005~~						
1010	32.4	5.0	20.9	0.1		
1015	35.5	10.6	20.8	0.2		
1020	28.1	12.0	20.8	0.2		
1025	31.2	8.7	20.7	0.1		
1030	34.9	15.1	20.8	0.1		
1035	30.0	6.2	20.7	0.0		
1040	32.3	17.2	20.8	0.1		
1045	37.5	21.1	20.8	0.1		
1050	33.9	24.0	20.8	0.2		
1055	28.0	7.7	20.9	0.0		
1100	25.9	6.1	20.8	0.1		
1105	31.5	8.8	20.9	0.0		
1110	26.1	7.2	20.8	0.0		
1115	32.4	7.3	20.9	0.0		
1120	29.8	4.2	20.9	0.0		
1125	27.2	8.1	20.9	0.0		
1130	29.0	5.9	20.9	0.0		
1135	25.5	11.0	20.8	0.1		
1140	29.3	6.4	20.9	0.0		
1145	24.1	6.5	20.9	0.0		
1150	23.2	6.6	20.9	0.0		
1155	21.6	13.7	20.8	0.1		
1200	24.2	7.2	20.9	0.0		
1205	24.0	10.1	20.8	0.1		
1210	END.					

KEYSTONE
ENVIRONMENTAL RESOURCES, INC.

BETH ENERGY
TEST #1 7-9-91

a=Average : Max= : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/09/91 09:30:57				
0.0a	19.8a	0.2a	21.1a	4.7a
0.0<	39.3<	0.5<	21.2<	5.4<
0.0>	43.7>	0.0>	0.0>	3.8>
07/09/91 09:31:57				
0.0a	49.4a	0.3a	21.1a	4.7a
0.0<	52.9<	0.5<	21.1<	5.7<
0.0>	39.3>	0.1>	20.9>	4.2>
07/09/91 09:32:56				
0.0a	49.2a	0.3a	21.1a	5.3a
0.0<	54.5<	0.8<	21.1<	17.9<
0.0>	39.7>	0.1>	20.8>	5.1>
07/09/91 09:33:57				
0.0a	49.0a	0.3a	21.0a	6.5a
0.0<	53.7<	0.6<	21.1<	19.9<
0.0>	43.0>	0.1>	20.8>	11.8>
07/09/91 09:34:57				
0.0a	48.5a	0.3a	21.0a	6.7a
0.0<	49.2<	0.6<	21.1<	12.1<
0.0>	40.2>	0.2>	20.9>	7.9>
07/09/91 09:35:57				
0.0a	48.8a	0.3a	21.0a	6.7a
0.0<	59.1<	0.5<	21.1<	8.3<
0.0>	42.7>	0.2>	20.9>	4.6>
07/09/91 09:36:57				
0.0a	49.1a	0.3a	21.0a	6.8a
0.0<	58.7<	0.5<	21.1<	9.3<
0.0>	47.3>	0.1>	20.9>	4.9>
07/09/91 09:37:57				
0.0a	49.2a	0.3a	21.0a	6.8a
0.0<	58.3<	0.8<	21.1<	14.9<
0.0>	46.1>	0.1>	20.7>	6.4>
07/09/91 09:38:56				
0.0a	49.3a	0.3a	21.0a	8.3a
0.0<	56.0<	0.8<	20.9<	33.7<
0.0>	44.1>	0.1>	20.6>	15.0>
07/09/91 09:39:57				
0.0a	48.9a	0.3a	21.0a	8.8a
0.0<	57.4<	0.6<	21.0<	26.3<
0.0>	39.4>	0.1>	20.8>	10.0>
07/09/91 09:40:57				
0.0a	48.6a	0.3a	21.0a	8.8a
0.0<	49.3<	0.5<	21.2<	10.2<
0.0>	39.2>	0.1>	20.8>	5.6>
07/09/91 09:41:56				
0.0a	48.8a	0.3a	21.0a	8.6a
0.0<	59.9<	0.5<	21.1<	6.0<
0.0>	45.0>	0.1>	20.9>	4.2>
07/09/91 09:42:56				
0.0a	48.8a	0.3a	21.0a	8.5a
0.0<	54.9<	0.6<	21.1<	7.4<
0.0>	42.5>	0.1>	20.7>	5.6>

0.0<	56.5<	1.0<	21.0<	38.6<
0.0>	42.9>	0.3>	20.5>	5.3>

07/09/91 09:44:57

0.0a	48.6a	0.3a	21.0a	9.9a
0.0<	53.3<	0.7<	21.0<	36.7<
0.0>	39.8>	0.1>	20.6>	12.8>

BETH ENERGY
TEST #1 7-9-91

a=Average ; Max= ; Min=

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 09:45:57		
0.0a	48.5a	0.3a	21.0a	9.9a
0.0<	56.7<	0.5<	21.0<	13.2<
0.0>	42.6>	0.1>	20.8>	9.6>
		07/09/91 09:46:57		
0.0a	48.4a	0.3a	21.0a	9.9a
0.0<	52.1<	0.5<	21.0<	10.1<
0.0>	41.5>	0.0>	20.8>	7.8>
		07/09/91 09:47:56		
0.0a	48.5a	0.3a	21.0a	9.8a
0.0<	57.0<	0.5<	21.1<	8.7<
0.0>	47.4>	0.0>	20.9>	6.7>
		07/09/91 09:48:57		
0.0a	48.5a	0.3a	21.0a	9.7a
0.0<	52.9<	0.4<	21.1<	9.0<
0.0>	41.8>	0.0>	20.9>	6.7>
		07/09/91 09:49:57		
0.0a	48.4a	0.3a	21.0a	9.6a
0.0<	52.1<	0.8<	21.1<	11.1<
0.0>	39.1>	0.0>	20.7>	6.1>
		07/09/91 09:50:57		
0.0a	48.3a	0.3a	21.0a	10.4a
0.0<	52.7<	0.8<	20.9<	36.6<
0.0>	43.8>	0.2>	20.6>	11.1>
		07/09/91 09:51:57		
0.0a	48.1a	0.3a	21.0a	10.9a
0.0<	48.6<	0.7<	21.0<	33.6<
0.0>	38.7>	0.1>	20.6>	17.7>
		07/09/91 09:52:57		
0.0a	47.9a	0.3a	21.0a	11.0a
0.0<	46.3<	0.5<	21.1<	17.8<
0.0>	35.2>	0.1>	20.8>	8.8>
		07/09/91 09:53:57		
0.0a	47.6a	0.3a	21.0a	10.8a
0.0<	47.5<	0.5<	21.1<	9.0<
0.0>	34.9>	0.0>	20.9>	4.9>
		07/09/91 09:54:57		
0.0a	47.7a	0.3a	21.0a	10.7a
0.0<	58.6<	0.4<	21.2<	9.2<
0.0>	44.7>	0.0>	20.9>	5.1>
		07/09/91 09:55:57		
0.0a	47.7a	0.3a	21.0a	10.7a
0.0<	82.3<	0.5<	21.1<	11.4<
0.0>	39.7>	0.0>	20.9>	8.7>
		07/09/91 09:56:57		
0.0a	47.5a	0.3a	21.0a	10.6a
0.0<	44.6<	0.5<	21.1<	10.3<
0.0>	38.2>	0.0>	20.9>	7.3>
		07/09/91 09:57:57		
0.0a	47.2a	0.3a	21.0a	10.5a
0.0<	43.9<	0.6<	21.1<	8.0<

BETH ENERGY
TEST #1 7-9-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 10:00:57		
0.0a	46.5a	0.3a	21.0a	11.1a
0.0<	40.3<	0.5<	21.1<	16.7<
0.0>	32.9>	0.0>	20.9>	7.2>
		07/09/91 10:01:56		
0.0a	46.2a	0.3a	21.0a	11.0a
0.0<	40.2<	0.5<	21.1<	7.8<
0.0>	31.2>	0.1>	20.9>	5.0>
		07/09/91 10:02:57		
0.0a	45.9a	0.3a	21.0a	10.8a
0.0<	42.1<	0.5<	21.1<	5.4<
0.0>	31.1>	0.0>	20.9>	4.0>
		07/09/91 10:03:56		
0.0a	45.6a	0.3a	21.0a	10.7a
0.0<	38.0<	0.5<	21.2<	5.0<
0.0>	31.5>	0.0>	20.9>	4.1>
		07/09/91 10:04:57		
0.0a	45.4a	0.3a	21.0a	10.5a
0.0<	44.6<	0.6<	21.2<	6.0<
0.0>	32.4>	0.0>	20.9>	4.3>
		07/09/91 10:05:56		
0.0a	45.1a	0.3a	21.0a	10.4a
0.0<	40.1<	0.6<	21.1<	6.7<
0.0>	32.3>	0.1>	20.9>	5.4>
		07/09/91 10:06:57		
0.0a	44.9a	0.3a	21.0a	10.3a
0.0<	39.6<	0.5<	21.2<	6.0<
0.0>	32.9>	0.1>	20.6>	4.5>
		07/09/91 10:07:57		
0.0a	44.7a	0.3a	21.0a	10.2a
0.0<	41.2<	0.9<	21.0<	5.5<
0.0>	31.6>	0.1>	20.8>	4.0>
		07/09/91 10:08:57		
0.0a	44.6a	0.3a	21.0a	10.4a
0.0<	44.8<	0.9<	20.9<	29.3<
0.0>	36.8>	0.0>	19.7>	5.4>
		07/09/91 10:09:57		
0.0a	44.5a	0.3a	21.0a	10.6a
0.0<	44.9<	0.6<	20.9<	26.6<
0.0>	33.9>	0.1>	20.5>	14.1>
		07/09/91 10:10:57		
0.0a	44.3a	0.3a	21.0a	10.6a
0.0<	48.1<	0.5<	21.1<	14.4<
0.0>	32.7>	0.1>	20.8>	7.9>
		07/09/91 10:11:57		
0.0a	44.4a	0.3a	21.0a	10.6a
0.0<	57.4<	0.5<	21.1<	8.2<
0.0>	39.9>	0.1>	20.8>	6.4>
		07/09/91 10:12:57		
0.0a	44.5a	0.3a	21.0a	10.5a
0.0<	54.8<	0.5<	21.0<	12.5<

0.0a	44.4a	0.3a	21.0a	10.5a
0.0<	46.8<	0.5<	21.0<	12.5<
0.0>	34.9>	0.1>	20.8>	7.3>
		07/09/91 10:14:56		
0.0a	44.3a	0.3a	20.9a	10.6a
0.0<	46.1<	0.8<	21.0<	35.6<
0.0>	34.6>	0.1>	20.5>	6.1>

BETH ENERGY
TEST #1 7-9-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 10:15:57		
0.0a	44.1a	0.3a	20.9a	11.0a
0.0<	44.7<	0.7<	20.8<	37.0<
0.0>	31.6>	0.2>	20.5>	17.2>
		07/09/91 10:16:57		
0.0a	44.0a	0.3a	20.9a	11.0a
0.0<	100.0<	0.5<	20.9<	17.9<
0.0>	35.3>	0.1>	20.7>	9.6>
		07/09/91 10:17:57		
0.0a	43.9a	0.3a	20.9a	11.0a
0.0<	48.6<	0.5<	20.9<	9.9<
0.0>	33.4>	0.1>	20.7>	6.2>
		07/09/91 10:18:57		
0.0a	44.0a	0.3a	20.9a	10.9a
0.0<	53.1<	0.5<	21.0<	6.6<
0.0>	42.3>	0.0>	20.8>	4.6>
		07/09/91 10:19:56		
0.0a	43.9a	0.3a	20.9a	10.8a
0.0<	48.0<	0.5<	21.0<	7.2<
0.0>	35.6>	0.0>	20.7>	5.4>
		07/09/91 10:20:56		
0.0a	43.9a	0.3a	20.9a	10.8a
0.0<	46.4<	0.8<	21.0<	24.6<
0.0>	35.9>	0.0>	20.6>	6.6>
		07/09/91 10:21:57		
0.0a	43.8a	0.3a	20.9a	11.1a
0.0<	45.5<	0.7<	20.8<	33.3<
0.0>	34.7>	0.1>	20.5>	21.5>
		07/09/91 10:22:57		
0.0a	43.8a	0.3a	20.9a	11.2a
0.0<	50.4<	0.5<	20.9<	21.4<
0.0>	39.3>	0.1>	20.7>	13.7>
		07/09/91 10:23:57		
0.0a	43.7a	0.3a	20.9a	11.2a
0.0<	50.2<	0.4<	21.0<	14.3<
0.0>	37.1>	0.0>	20.7>	9.1>
		07/09/91 10:24:57		
0.0a	43.6a	0.3a	20.9a	11.1a
0.0<	45.8<	0.5<	21.0<	9.4<
0.0>	33.6>	0.0>	20.7>	6.0>
		07/09/91 10:25:57		
0.0a	43.5a	0.3a	20.9a	11.1a
0.0<	42.1<	0.4<	21.0<	7.1<
0.0>	32.2>	0.0>	20.8>	6.0>
		07/09/91 10:26:56		
0.0a	43.3a	0.3a	20.9a	11.0a
0.0<	44.9<	0.6<	21.0<	10.0
0.0>	29.5>	0.0>	20.7>	6.2
		07/09/91 10:27:57		
0.0a	43.2a	0.3a	20.9a	11.1a
0.0<	45.6<	0.7<	20.9<	23.0<
0.0>	33.9>	0.1>	20.6>	9.8>
		07/09/91 10:28:57		
0.0a	43.1a	0.3a	20.9a	11.2a

07/09/91 10:29:57

0.0<	43.0a	0.3a	20.9a	11.2a
0.0<	41.3<	0.5<	21.1<	13.0<
0.0>	30.6>	0.0>	20.8>	8.5>

BETH ENERGY
TEST #1 7-9-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 10:30:57		
0.0a	42.9a	0.3a	20.9a	11.1a
0.0<	62.0<	0.4<	21.0<	8.9<
0.0>	31.7>	0.0>	20.8>	6.0>
		07/09/91 10:31:57		
0.0a	42.7a	0.3a	20.9a	11.1a
0.0<	36.1<	0.4<	21.0<	6.7<
0.0>	29.1>	0.0>	20.8>	5.7>
		07/09/91 10:32:57		
0.0a	42.6a	0.3a	20.9a	11.0a
0.0<	41.2<	0.5<	21.0<	7.5<
0.0>	30.3>	0.0>	20.8>	6.3>
		07/09/91 10:33:56		
0.0a	42.5a	0.3a	20.9a	10.9a
0.0<	44.0<	0.9<	21.0<	7.3<
0.0>	31.6>	0.1>	20.7>	5.6>
		07/09/91 10:34:57		
0.0a	42.5a	0.3a	20.9a	11.2a
0.0<	45.6<	1.1<	20.9<	44.6<
0.0>	37.5>	0.3>	20.3>	6.7>
		07/09/91 10:35:57		
0.0a	42.5a	0.3a	20.9a	11.5a
0.0<	47.1<	0.7<	20.9<	43.1<
0.0>	35.7>	0.2>	20.5>	19.5>
		07/09/91 10:36:57		
0.0a	42.4a	0.3a	20.9a	11.5a
0.0<	41.9<	0.6<	21.0<	19.8<
0.0>	34.8>	0.1>	20.7>	9.1>
		07/09/91 10:37:57		
0.0a	42.4a	0.3a	20.9a	11.4a
0.0<	53.5<	0.6<	21.0<	9.4<
0.0>	0.0>	0.0>	20.8>	7.3>
		07/09/91 10:38:57		
0.0a	42.5a	0.3a	20.9a	11.4a
0.0<	55.2<	0.5<	21.1<	7.6<
0.0>	41.7>	0.1>	20.8>	5.2>
		07/09/91 10:39:57		
0.0a	42.5a	0.3a	20.9a	11.3a
0.0<	52.2<	0.5<	21.0<	6.1<
0.0>	37.5>	0.1>	20.7>	4.7>
		07/09/91 10:40:57		
0.0a	42.5a	0.3a	20.9a	11.2a
0.0<	44.9<	0.5<	21.1<	5.3<
0.0>	37.4>	0.1>	20.8>	4.0>
		07/09/91 10:41:57		
0.0a	42.4a	0.3a	20.9a	11.1a
0.0<	44.5<	0.5<	21.0<	4.7<
0.0>	33.1>	0.1>	20.7>	3.8>
		07/09/91 10:42:57		
0.0a	42.4a	0.3a	20.9a	11.0a
0.0<	50.2<	0.8<	20.9<	7.6<
0.0>	31.2>	0.0>	20.6>	3.7>
		07/09/91 10:43:57		
0.0a	42.4a	0.3a	20.9a	11.3a

07/09/91 10:44:57

0.0a	42.4a	0.3a	20.9a	11.4a
0.0<	53.7<	0.6<	20.8<	31.9<
0.0>	39.2>	0.0>	20.5>	12.4>

BETH ENERGY
TEST #1 7-9-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 10:45:57		
0.0a	42.5a	0.3a	20.9a	11.4a
0.0<	53.4<	0.5<	20.9<	12.7<
0.0>	42.1>	0.0>	20.7>	8.7>
		07/09/91 10:46:57		
0.0a	42.5a	0.3a	20.9a	11.3a
0.0<	52.6<	0.5<	20.9<	8.8<
0.0>	40.6>	0.1>	20.7>	5.1>
		07/09/91 10:47:56		
0.0a	42.6a	0.3a	20.9a	11.3a
0.0<	56.2<	0.4<	20.9<	7.3<
0.0>	45.1>	0.0>	20.7>	4.8>
		07/09/91 10:48:57		
0.0a	42.7a	0.3a	20.9a	11.2a
0.0<	51.3<	0.4<	21.0<	7.3<
0.0>	40.5>	0.0>	20.7>	6.2>
		07/09/91 10:49:57		
0.0a	42.6a	0.3a	20.9a	11.2a
0.0<	46.7<	0.6<	20.9<	7.3<
0.0>	36.0>	0.0>	20.6>	6.1>
		07/09/91 10:50:57		
0.0a	42.6a	0.3a	20.9a	11.1a
0.0<	48.5<	0.7<	20.9<	17.0<
0.0>	36.5>	0.0>	20.5>	5.2>
		07/09/91 10:51:57		
0.0a	42.7a	0.3a	20.9a	11.4a
0.0<	48.4<	0.8<	20.8<	36.4<
0.0>	40.5>	0.0>	20.5>	17.1>
		07/09/91 10:52:57		
0.0a	42.7a	0.3a	20.9a	11.4a
0.0<	50.0<	0.5<	20.9<	25.0<
0.0>	41.7>	0.1>	20.6>	11.9>
		07/09/91 10:53:57		
0.0a	42.7a	0.3a	20.9a	11.4a
0.0<	49.1<	0.5<	20.9<	12.4<
0.0>	39.4>	0.0>	20.7>	10.5>
		07/09/91 10:54:57		
0.0a	42.7a	0.3a	20.9a	11.4a
0.0<	58.9<	0.4<	21.0<	10.9<
0.0>	41.3>	0.0>	20.7>	7.2>
		07/09/91 10:55:57		
0.0a	42.7a	0.3a	20.9a	11.3a
0.0<	50.5<	0.4<	20.9<	9.3<
0.0>	38.1>	0.0>	20.7>	7.3>
		07/09/91 10:56:57		
0.0a	42.8a	0.3a	20.9a	11.5a
0.0<	48.5<	0.6<	20.9<	34.1<
0.0>	39.9>	0.0>	20.5>	9.3>
		07/09/91 10:57:57		
0.0a	42.8a	0.3a	20.9a	11.6a
0.0<	48.2<	0.6<	20.9<	34.0<
0.0>	34.1>	0.0>	20.6>	17.4>
		07/09/91 10:58:56		
0.0a	42.7a	0.3a	20.9a	11.6a

07/09/91 10:59:57

0.0a	12.7a	0.3a	20.9a	11.6a
0.0<	19.4<	0.4<	21.0<	10.3<
0.0>	34.4>	0.0>	20.7>	8.2>

BETH ENERGY
TEST #1 7-9-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 11:00:56		
0.0a	42.7a	0.3a	20.9a	11.[illegible]
0.0<	46.7<	0.4<	21.0<	[illegible].6<
0.0>	[illegible].[illegible]>	0.0>	[illegible].[illegible]>	0.6>
		07/09/91 11:01:57		
0.0a	42.[illegible]	[illegible].[illegible]	20.9a	11.5a
0.0<	[illegible].[illegible]<	0.4<	21.0<	[illegible].8
[illegible].[illegible]	33.5>	0.0	20.8>	5.[illegible]
		07/09/91 11:02:57		
0.0a	42.6a	0.3a	20.9a	11.5a
0.0<	44.3<	0.7	21.1<	14.4<
0.0>	33.5>	0.0>	20.6>	5.1>
		07/09/91 11:03:57		
0.0a	42.6a	0.3a	20.9a	11.7a
0.0<	47.1<	0.7<	20.8<	38.2<
0.0>	38.0>	0.1>	20.5>	14.4>
		07/09/91 11:04:57		
0.0a	42.6a	0.3a	20.9a	11.7a
0.0<	44.6<	0.5<	21.0<	30.1<
0.0>	36.1>	0.0>	20.6>	12.4>
		07/09/91 11:05:56		
0.0a	42.5a	0.3a	20.9a	11.7a
0.0<	43.2<	0.5<	21.0<	12.7<
0.0>	35.3>	0.0>	20.8>	7.2>
		07/09/91 11:06:57		
0.0a	42.5a	0.3a	20.9a	11.7a
0.0<	49.7<	0.4<	21.1<	7.5<
0.0>	36.5>	0.0>	20.8>	4.5>
		07/09/91 11:07:57		
0.0a	42.5a	0.3a	20.9a	11.6a
0.0<	49.7<	0.7<	21.0<	6.0<
0.0>	35.5>	0.0>	20.7>	4.1>
		07/09/91 11:08:56		
0.0a	42.5a	0.3a	20.9a	11.7a
0.0<	42.0<	0.7<	20.9<	37.8<
0.0>	34.9>	0.0>	20.4>	5.9>
		07/09/91 11:09:57		
0.0a	42.4a	0.3a	20.9a	11.8a
0.0<	49.6<	0.5<	21.1<	33.7<
0.0>	35.0>	0.0>	20.7>	11.5>
		07/09/91 11:10:57		
0.0a	42.4a	0.3a	20.9a	11.8a
0.0<	45.3<	0.4<	21.0<	12.0<
0.0>	33.7>	0.0>	20.8>	7.8>
		07/09/91 11:11:57		
0.0a	42.4a	0.3a	20.9a	11.7a
0.0<	40.6<	0.4<	21.0<	8.1<
0.0>	33.5>	0.0>	20.8>	5.6>
		07/09/91 11:12:57		
0.0a	42.3a	0.3a	20.[illegible]	[illegible].[illegible]
0.0<	100.0<	0.4	[illegible].[illegible]	[illegible].[illegible]
0.0>	31.5>	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]
[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]	[illegible].[illegible]

		19.7<
	.5>	6.3>

ENERGY
=1 7-9-91

a=Average : Max=< : Min=>

GE	THC PPM	CO2 %	O2 %	CO PPM
		07/09/91 11:15:57		
0.0a	42.1a	0.3a	20.9a	11.9a
0.0<	50.8<	0.8<	20.8<	44.8<
0.0>	26.8>	0.1>	20.3>	19.8>
		07/09/91 11:16:57		
0.0a	42.1a	0.3a	20.9a	12.0a
0.0<	50.2<	0.5<	21.0<	30.5<
0.0>	37.6>	0.0>	20.7>	17.3>
		07/09/91 11:17:57		
0.0a	42.1a	0.3a	20.9a	12.0a
0.0<	41.3<	0.4<	21.1<	17.5<
0.0>	31.1>	0.0>	20.8>	7.9>
		07/09/91 11:18:57		
0.0a	42.0a	0.3a	20.9a	11.9a
0.0<	37.7<	0.4<	21.1<	8.2<
0.0>	30.2>	0.0>	20.9>	4.5>
		07/09/91 11:19:57		
0.0a	42.0a	0.3a	20.9a	11.9a
0.0<	43.8<	0.4<	21.1<	8.7<
0.0>	30.2>	0.0>	20.8>	4.6>
		07/09/91 11:20:56		
0.0a	41.9a	0.3a	20.9a	11.9a
0.0<	39.6<	0.6<	21.1<	14.1<
0.0>	26.8>	0.0>	20.8>	7.8>
		07/09/91 11:21:57		
0.0a	41.8a	0.3a	20.9a	11.9a
0.0<	43.2<	0.6<	21.0<	27.1<
0.0>	32.9>	0.0>	20.7>	14.1>
		07/09/91 11:22:57		
0.0a	41.8a	0.3a	20.9a	11.9a
0.0<	36.8<	0.4<	21.1<	20.3<
0.0>	27.7>	0.0>	20.8>	8.4>
		07/09/91 11:23:57		
0.0a	41.7a	0.3a	20.9a	11.9a
0.0<	34.4<	0.4<	21.1<	8.9<
0.0>	26.2>	0.0>	20.9>	6.9>
		07/09/91 11:24:57		
0.0a	41.5a	0.3a	20.9a	11.9a
0.0<	32.3<	0.4<	21.1<	7.2<
0.0>	25.0>	0.0>	20.9>	4.2>
		07/09/91 11:25:57		
0.0a	41.5a	0.3a	20.9a	11.8a
0.0<	36.0<	0.4<	21.1<	4.7<
0.0>	25.4>	0.0>	20.9>	3.6>
		07/09/91 11:26:56		
0.0a	41.3a	0.3a	20.9a	11.7a
0.0<	35.7<	0.6<	21.1<	10.2<
0.0>	0.0>	0.0>	0.0>	0.0>
		07/09/91 11:27:57		
0.0a	41.3a	0.3a	20.9a	11.8a
0.0<	38.2<	0.6<	21.0<	24.7<
0.0>	30.6>	0.0>	20.7>	10.1>
		07/09/91 11:28:57		
0.0a	41.2a	0.3a	20.9a	11.8a

0.0>	27.3>	0.0>	20.8>	7.1>
07/09/91 11:29:57				
0.0a	41.1a	0.3a	20.9a	11.8a
0.0<	45.6<	0.4<	21.1<	7.3<
0.0>	29.7>	0.0>	20.9>	5.6>

BETH ENERGY
TEST #2 7-10-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 10:06:40		
0.0a	32.0a	0.0a	21.0a	0.5a
0.0<	35.6<	0.2<	21.1<	9.9<
0.0>	25.9>	0.0>	19.9>	0.0>
		07/10/91 10:07:39		
0.0a	31.7a	0.0a	21.0a	0.3a
0.0<	44.7<	0.0<	21.1<	0.0<
0.0>	27.4>	0.0>	20.9>	0.0>
		07/10/91 10:08:40		
0.0a	32.3a	0.0a	21.0a	0.2a
0.0<	39.9<	0.0<	21.1<	0.0<
0.0>	29.3>	0.0>	20.9>	0.0>
		07/10/91 10:09:40		
0.0a	33.1a	0.0a	21.0a	0.1a
0.0<	44.4<	0.1<	21.1<	0.0<
0.0>	29.6>	0.0>	20.9>	0.0>
		07/10/91 10:10:40		
0.0a	34.7a	0.0a	21.0a	0.1a
0.0<	45.2<	0.1<	21.1<	0.3<
0.0>	36.2>	0.0>	20.9>	0.0>
		07/10/91 10:11:40		
0.0a	35.5a	0.0a	21.0a	0.1a
0.0<	44.0<	0.0<	21.1<	0.2<
0.0>	34.3>	0.0>	20.9>	0.0>
		07/10/91 10:12:40		
0.0a	36.1a	0.0a	21.0a	0.1a
0.0<	44.9<	0.0<	21.2<	0.0<
0.0>	34.3>	0.0>	20.9>	0.0>
		07/10/91 10:13:39		
0.0a	36.5a	0.0a	21.0a	0.1a
0.0<	100.0<	0.0<	21.2<	0.0<
0.0>	31.6>	0.0>	21.0>	0.0>
		07/10/91 10:14:40		
0.0a	37.2a	0.0a	21.0a	0.1a
0.0<	51.9<	0.0<	21.1<	0.0<
0.0>	36.9>	0.0>	20.9>	0.0>
		07/10/91 10:15:40		
0.0a	37.5a	0.0a	21.0a	0.1a
0.0<	46.5<	0.0<	21.1<	0.9<
0.0>	35.5>	0.0>	20.9>	0.0>
		07/10/91 10:16:40		
0.0a	37.6a	0.0a	21.0a	0.1a
0.0<	44.9<	0.0<	21.1<	0.8<
0.0>	34.0>	0.0>	20.9>	0.0>
		07/10/91 10:17:40		
0.0a	37.5a	0.0a	21.0a	0.1a
0.0<	47.4<	0.0<	21.1<	0.0<
0.0>	33.3>	0.0>	20.9>	0.0>
		07/10/91 10:18:40		
0.0a	37.3a	0.0a	21.0a	0.1a
0.0<	43.2<	0.0<	21.2<	0.0<
0.0>	29.2>	0.0>	21.0>	0.0>
		07/10/91 10:19:40		
0.0a	37.3a	0.0a	21.0a	0.1a

0.0	36.4>	0.0	21.0>	0.0>	

07/10/91 10:20:40

0.0a	37.4a	0.0a	21.0a	0.1a
0.0<	43.9<	0.3<	21.2<	0.0<
0.0>	35.3>	0.0>	20.9>	0.0>

BETH ENERGY
TEST #2 7-10-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 10:21:39		
0.0a	37.5a	0.0a	21.0a	0.1a
0.0<	44.3<	0.2<	21.1<	3.8<
0.0>	35.5>	0.0>	20.9>	0.0>
		07/10/91 10:22:40		
0.0a	37.7a	0.0a	21.0a	0.3a
0.0<	47.9<	0.0<	21.1<	5.3<
0.0>	34.7>	0.0>	20.9>	3.5>
		07/10/91 10:23:40		
0.0a	37.8a	0.0a	21.0a	0.8a
0.0<	45.5<	0.0<	21.1<	12.5<
0.0>	34.8>	0.0>	20.9>	4.6>
		07/10/91 10:24:40		
0.0a	37.8a	0.0a	21.0a	1.3a
0.0<	44.2<	0.0<	21.1<	12.3<
0.0>	33.6>	0.0>	20.9>	7.6>
		07/10/91 10:25:40		
0.0a	37.8a	0.0a	21.0a	1.5a
0.0<	43.4<	0.2<	21.1<	13.6<
0.0>	34.0>	0.0>	20.8>	2.4>
		07/10/91 10:26:40		
0.0a	37.9a	0.0a	21.0a	2.8a
0.0<	45.2<	0.2<	21.0<	33.1<
0.0>	35.2>	0.0>	20.7>	13.7>
		07/10/91 10:27:40		
0.0a	37.8a	0.0a	21.0a	3.4a
0.0<	44.8<	0.0<	21.1<	25.4<
0.0>	32.1>	0.0>	20.8>	11.2>
		07/10/91 10:28:40		
0.0a	37.7a	0.0a	21.0a	3.6a
0.0<	40.5<	0.1<	21.1<	11.4<
0.0>	30.7>	0.0>	20.9>	6.5>
		07/10/91 10:29:40		
0.0a	37.6a	0.0a	21.0a	3.7a
0.0<	42.3<	0.0<	21.1<	7.0<
0.0>	32.2>	0.0>	20.9>	5.0>
		07/10/91 10:30:40		
0.0a	37.6a	0.0a	21.0a	3.8a
0.0<	43.3<	0.0<	21.1<	5.4<
0.0>	33.1>	0.0>	20.9>	3.3>
		07/10/91 10:31:40		
0.0a	37.5a	0.0a	21.0a	3.8a
0.0<	43.3<	0.0<	21.1<	4.6<
0.0>	31.1>	0.0>	20.9>	3.4>
		07/10/91 10:32:40		
0.0a	37.4a	0.0a	21.0a	3.8a
0.0<	41.2<	0.0<	21.1<	4.5<
0.0>	31.7>	0.0>	20.9>	3.7>
		07/10/91 10:33:39		
0.0a	37.4a	0.0a	21.0a	3.8a
0.0<	43.3<	0.0<	21.1<	4.7<
0.0>	31.4>	0.0>	20.9>	3.9>
		07/10/91 10:34:40		
0.0a	37.[illegible]	[illegible]	21.0a	[illegible]

0.0>	31.1>	0.0>	20.9>	3.9>

07/10/91 10:35:40

0.0a	37.2a	0.0a	21.0a	3.8a
0.0<	45.2<	0.0<	21.1<	4.4<
0.0>	28.0>	0.0>	20.9>	3.8>

BETH ENERGY
TEST #2 7-10-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/10/91 10:36:40				
0.0a	37.0a	0.0a	21.0a	4.1a
0.0<	36.8<	0.3<	21.1<	24.8<
0.0>	26.2>	0.0>	20.7>	4.0>
07/10/91 10:37:40				
0.0a	36.9a	0.0a	21.0a	4.6a
0.0<	42.1<	0.1<	21.0<	27.1<
0.0>	28.4>	0.0>	20.7>	13.0>
07/10/91 10:38:40				
0.0a	36.7a	0.0a	21.0a	4.7a
0.0<	41.3<	0.1<	21.1<	13.1<
0.0>	28.1>	0.0>	20.9>	5.3>
07/10/91 10:39:40				
0.0a	36.6a	0.0a	21.0a	4.7a
0.0<	39.8<	0.0<	21.1<	5.6<
0.0>	27.4>	0.0>	20.9>	4.2>
07/10/91 10:40:40				
0.0a	36.5a	0.0a	21.0a	4.7a
0.0<	42.6<	0.0<	21.1<	4.5<
0.0>	29.8>	0.0>	20.9>	3.1>
07/10/91 10:41:40				
0.0a	36.5a	0.0a	21.0a	4.7a
0.0<	46.6<	0.0<	21.1<	3.7<
0.0>	30.3>	0.0>	19.8>	0.0>
07/10/91 10:42:40				
0.0a	36.4a	0.0a	21.0a	4.6a
0.0<	42.2<	0.1<	21.2<	4.2<
0.0>	29.8>	0.0>	21.0>	3.0>
07/10/91 10:43:40				
0.0a	36.4a	0.0a	21.0a	4.6a
0.0<	43.1<	0.2<	21.1<	6.0<
0.0>	31.0>	0.0>	20.9>	3.8>
07/10/91 10:44:40				
0.0a	36.3a	0.0a	21.0a	4.7a
0.0<	42.7<	0.1<	21.2<	6.3<
0.0>	28.9>	0.0>	20.9>	5.4>
07/10/91 10:45:40				
0.0a	36.3a	0.0a	21.0a	4.7a
0.0<	42.8<	0.1<	21.2<	6.5<
0.0>	29.0>	0.0>	20.9>	5.4>
07/10/91 10:46:40				
0.0a	36.2a	0.0a	21.0a	4.7a
0.0<	38.1<	0.2<	21.2<	5.9<
0.0>	15.2>	0.0>	21.0>	4.8>
07/10/91 10:47:40				
0.0a	36.1a	0.0a	21.0a	4.7a
0.0<	40.3<	0.4<	21.2<	5.3<
0.0>	25.9>	0.0>	20.9>	4.1>
07/10/91 10:48:40				
0.0a	36.0a	0.0a	21.0a	4.7a
0.0<	40.0<	0.2<	21.2<	4.9<
0.0>	28.8>	0.0>	20.9>	4.1>
07/10/91 10:49:40				
0.0a	35.9a	0.0a	21.0a	4.7a

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
07/10/91 10:50:40					
0.0a	35.8a	0.0a	21.0a	4.7a	
0.0<	100.0<	0.2<	21.2<	4.9<	
0.0>	25.3>	0.0>	21.0>	4.1>	

BETH ENERGY
TEST #2 7-10-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 10:51:40		
0.0a	35.7a	0.0a	21.0a	4.7a
0.0<	100.0<	0.2<	21.1<	4.5<
0.0>	25.3>	0.0>	21.0>	3.3>
		07/10/91 10:52:40		
0.0a	35.7a	0.0a	21.0a	4.7a
0.0<	100.0<	0.2<	21.1<	4.7<
0.0>	31.0>	0.0>	20.9>	3.2>
		07/10/91 10:53:40		
0.0a	35.7a	0.0a	21.0a	4.7a
0.0<	100.0<	0.2<	21.1<	4.8<
0.0>	29.3>	0.0>	20.9>	4.1>
		07/10/91 10:54:40		
0.0a	35.7a	0.0a	21.0a	4.7a
0.0<	100.0<	0.3<	21.1<	4.6<
0.0>	28.8>	0.0>	20.9>	3.3>
		07/10/91 10:55:39		
0.0a	35.6a	0.0a	21.0a	4.6a
0.0<	100.0<	0.3<	21.1<	4.2<
0.0>	28.9>	0.0>	20.9>	3.2>
		07/10/91 10:56:40		
0.0a	35.6a	0.0a	21.0a	4.6a
0.0<	100.0<	0.3<	21.1<	4.2<
0.0>	25.9>	0.0>	20.9>	3.6>
		07/10/91 10:57:40		
0.0a	35.5a	0.0a	21.0a	4.8a
0.0<	100.0<	0.6<	21.1<	26.5<
0.0>	25.9>	0.1>	20.7>	3.7>
		07/10/91 10:58:40		
0.0a	35.5a	0.0a	21.0a	5.0a
0.0<	100.0<	0.4<	21.0<	26.9<
0.0>	26.7>	0.0>	20.7>	8.1>
		07/10/91 10:59:40		
0.0a	35.4a	0.0a	21.0a	5.1a
0.0<	100.0<	0.4<	21.0<	8.4<
0.0>	26.6>	0.0>	20.8>	5.9>
		07/10/91 11:00:40		
0.0a	35.3a	0.0a	21.0a	5.1a
0.0<	100.0<	0.4<	21.0<	6.3<
0.0>	26.6>	0.0>	20.8>	4.5>
		07/10/91 11:01:40		
0.0a	35.2a	0.0a	21.0a	5.1a
0.0<	100.0<	0.4<	21.0<	4.8<
0.0>	15.4>	0.0>	20.8>	3.4>
		07/10/91 11:02:39		
0.0a	35.2a	0.0a	21.0a	5.0a
0.0<	100.0<	0.4<	21.0<	3.8<
0.0>	25.5>	0.0>	20.8>	2.8>
		07/10/91 11:03:40		
0.0a	35.1a	0.0a	21.0a	5.0a
0.0<	100.0<	0.4<	21.0<	4.0<
0.0>	26.4>	0.0>	20.8>	2.7>
		07/10/91 11:04:40		
0.0a	35.0a	0.0a	21.0a	5.0a
0.0<	100.0<	0.3<	21.0<	4.8<

0.0a	35.0a	0.0a	21.0a	5.0a
0.0<	100.0<	0.4<	21.0<	4.9<
0.0>	0.0>	0.0>	20.8>	4.2>

BETH ENERGY
TEST #2 7-10-91

ERROR MESSAGE	THC PPM	CO %	CO2 %	NO PPM
		(Average : Max= : Min=		
		07/10/91 11:06:40		
0.0a	34.9a	0.0a	21.0a	5.0a
	100.0<	0.4<	21.0<	4.7<
0.0>	27.0>	0.0>	20.8>	3.8>
		07/10/91 11:07:40		
0.0a	34.8a	0.0a	21.0a	4.9a
0.0<	100.0<	0.6<	21.0<	6.4<
0.0>	23.3>	0.0>	20.7>	3.7>
		07/10/91 11:08:40		
0.0a	34.7a	0.1a	21.0a	5.2a
0.0<	100.0<	0.7<	20.8<	24.3<
0.0>	23.3>	0.1>	20.5>	6.3>
		07/10/91 11:09:39		
0.0a	34.7a	0.1a	21.0a	5.4a
0.0<	100.0<	0.6<	20.8<	20.7<
0.0>	28.2>	0.1>	20.5>	15.9>
		07/10/91 11:10:40		
0.0a	34.6a	0.1a	21.0a	5.5a
0.0<	100.0<	0.5<	20.9<	16.1<
0.0>	23.7>	0.0>	20.6>	7.9>
		07/10/91 11:11:40		
0.0a	34.6a	0.1a	21.0a	5.5a
0.0<	100.0<	0.5<	20.9<	8.1<
0.0>	24.4>	0.0>	20.7>	4.7>
		07/10/91 11:12:40		
0.0a	34.5a	0.1a	21.0a	5.5a
0.0<	100.0<	0.3<	20.9<	5.0<
0.0>	25.1>	0.0>	20.7>	3.4>
		07/10/91 11:13:40		
0.0a	34.5a	0.1a	21.0a	5.6a
0.0<	100.0<	0.9<	21.0<	45.6<
0.0>	26.8>	0.0>	20.3>	3.4>
		07/10/91 11:14:40		
0.0a	34.4a	0.1a	21.0a	6.0a
0.0<	100.0<	0.5<	20.9<	46.2<
0.0>	26.3>	0.0>	20.3>	13.3>
		07/10/91 11:15:40		
0.0a	34.4a	0.1a	21.0a	6.1a
0.0<	100.0<	0.3<	20.9<	13.4<
0.0>	28.2>	0.0>	20.7>	9.4>
		07/10/91 11:16:39		
0.0a	34.4a	0.1a	21.0a	6.1a
0.0<	100.0<	0.3<	20.9<	10.5<
0.0>	24.6>	0.0>	20.7>	7.2>
		07/10/91 11:17:40		
0.0a	34.3a	0.1a	21.0a	6.1a
0.0<	100.0<	0.3<	20.9<	7.5<
0.0>	25.2>	0.0>	20.7>	5.8>
		07/10/91 11:18:40		
0.0a	34.2a	0.1a	21.0a	6.1a
0.0<	100.0<	0.9<	20.9<	25.4<
0.0>	21.2>	0.0>	20.3>	6.4>
		07/10/91 11:19:40		
0.0a	34.2a	0.1a	21.0a	6.7a
0.0<	100.0<	1.0<	20.8<	60.6<

0.0a	34.2a	0.1a	21.0a	6.8a
0.0<	54.4<	0.3<	20.9<	30.9<
0.0>	27.4>	0.0>	20.7>	10.1>

BETH ENERGY
TEST #2 7-10-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/10/91 11:21:40				
0.0a	34.2a	0.1a	21.0a	6.9a
0.0<	100.0<	0.3<	20.9<	10.3<
0.0>	29.4>	0.0>	20.7>	8.8>
07/10/91 11:22:39				
0.0a	34.2a	0.1a	21.0a	6.9a
0.0<	100.0<	0.4<	20.9<	9.3<
0.0>	31.8>	0.0>	20.7>	5.2>
07/10/91 11:23:40				
0.0a	34.2a	0.1a	21.0a	6.8a
0.0<	100.0<	0.4<	20.9<	5.7<
0.0>	4.2>	0.0>	20.7>	4.5>
07/10/91 11:24:40				
0.0a	34.2a	0.1a	20.9a	7.0a
0.0<	100.0<	0.6<	20.9<	27.8<
0.0>	22.6>	0.0>	20.5>	5.0>
07/10/91 11:25:40				
0.0a	34.2a	0.1a	20.9a	7.1a
0.0<	100.0<	0.4<	20.9<	25.5<
0.0>	28.5>	0.0>	20.6>	9.2>
07/10/91 11:26:40				
0.0a	34.1a	0.1a	20.9a	7.1a
0.0<	100.0<	0.3<	20.9<	9.4<
0.0>	26.0>	0.0>	20.7>	5.6>
07/10/91 11:27:40				
0.0a	34.1a	0.1a	20.9a	7.1a
0.0<	100.0<	0.3<	21.0<	6.2<
0.0>	24.4>	0.0>	20.8>	3.5>
07/10/91 11:28:40				
0.0a	34.0a	0.1a	20.9a	7.1a
0.0<	100.0<	0.3<	21.0<	4.2<
0.0>	22.7>	0.0>	20.8>	3.1>
07/10/91 11:29:39				
0.0a	33.9a	0.1a	20.9a	7.0a
0.0<	100.0<	0.3<	21.0<	4.2<
0.0>	22.6>	0.0>	20.8>	3.5>
07/10/91 11:30:40				
0.0a	33.9a	0.1a	20.9a	7.0a
0.0<	100.0<	0.7<	21.0<	11.0<
0.0>	22.6>	0.0>	20.6>	3.5>
07/10/91 11:31:39				
0.0a	33.8a	0.1a	20.9a	7.2a
0.0<	100.0<	0.6<	20.8<	35.6<
0.0>	26.4>	0.0>	20.5>	11.2>
07/10/91 11:32:40				
0.0a	33.8a	0.1a	20.9a	7.4a
0.0<	100.0<	0.4<	20.9<	28.7<
0.0>	25.2>	0.0>	20.6>	10.5>
07/10/91 11:33:40				
0.0a	33.8a	0.1a	20.9a	7.4a
0.0<	100.0<	0.3<	21.0<	10.9<
0.0>	25.1>	0.0>	20.6>	5.8>
07/10/91 11:34:40				
0.0a	33.7a	0.1a	20.9a	7.4a
0.0<	100.0<	0.3<	21.0<	6.2<

0.0a	33.7a	0.1a	20.9a	7.3a
0.0<	100.0<	0.3<	21.0<	4.2<
0.0>	23.7>	0.0>	20.8>	2.8>

BETH ENERGY
TEST #2 7-10-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 11:36:40		
0.0a	33.6a	0.1a	20.9a	7.3a
0.0<	100.0<	0.3<	21.0<	4.3<
0.0>	22.7>	0.0>	20.8>	2.7>
		07/10/91 11:37:40		
0.0a	33.5a	0.1a	20.9a	7.3a
0.0<	100.0<	0.4<	21.0<	7.8<
0.0>	22.6>	0.0>	20.8>	4.0>
		07/10/91 11:38:40		
0.0a	33.5a	0.1a	20.9a	7.2a
0.0<	100.0<	0.3<	21.0<	7.6<
0.0>	22.9>	0.0>	20.8>	4.9>
		07/10/91 11:39:40		
0.0a	33.4a	0.1a	20.9a	7.2a
0.0<	100.0<	0.3<	21.0<	5.4<
0.0>	23.3>	0.0>	20.8>	4.4>
		07/10/91 11:40:40		
0.0a	33.3a	0.1a	20.9a	7.2a
0.0<	100.0<	0.3<	21.0<	5.0<
0.0>	23.1>	0.0>	20.8>	3.6>
		07/10/91 11:41:39		
0.0a	33.3a	0.1a	20.9a	7.2a
0.0<	56.0<	0.3<	21.0<	4.2<
0.0>	23.2>	0.0>	20.8>	3.2>
		07/10/91 11:42:40		
0.0a	33.3a	0.1a	20.9a	7.1a
0.0<	100.0<	0.3<	21.0<	4.3<
0.0>	25.3>	0.0>	20.8>	3.3>
		07/10/91 11:43:40		
0.0a	33.2a	0.1a	20.9a	7.1a
0.0<	100.0<	0.3<	21.0<	4.2<
0.0>	25.7>	0.0>	20.8>	3.5>
		07/10/91 11:50:39		
0.0a	32.9a	0.1a	20.9a	6.8a
0.0<	100.0<	0.7<	21.0<	9.0<
0.0>	0.0>	0.0>	20.5>	0.0>
		07/10/91 11:51:40		
0.0a	32.8a	0.1a	20.9a	7.1a
0.0<	100.0<	0.7<	20.9<	13.9<
0.0>	22.4>	0.0>	20.4>	9.1
		07/10/91 11:52:39		
0.0a	32.8a	0.1a	20.9a	7.3a
0.0<	100.0<	0.7<	20.8<	36.5<
0.0>	22.0>	0.0>	20.5>	15.8>
		07/10/91 11:53:40		
0.0a	32.8a	0.1a	20.9a	7.5a
0.0<	100.0<	0.5<	20.9<	36.4<
0.0>	19.2>	0.0>	19.6>	25.2>
		07/10/91 11:54:40		
0.0a	32.8a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	20.9<	26.6<
0.0>	25.9>	0.0>	20.7>	9.0>
		07/10/91 11:55:40		
0.0a	32.8a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	9.2<

0.0a	32.8a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	5.2<
0.0>	24.4>	0.0>	20.8>	3.3>

BETH ENERGY
TEST #2 7-10-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 11:57:40		
0.0a	32.7a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	5.8<
0.0>	20.8>	0.0>	20.8>	3.3>
		07/10/91 11:58:40		
0.0a	32.7a	0.1a	20.9a	7.5a
0.0<	100.0<	0.6<	20.9<	18.2<
0.0>	22.9>	0.0>	20.6>	5.5>
		07/10/91 11:59:40		
0.0a	32.7a	0.1a	20.9a	7.6a
0.0<	100.0<	0.5<	20.9<	18.3<
0.0>	23.0>	0.0>	20.6>	10.8>
		07/10/91 12:00:40		
0.0a	32.6a	0.1a	20.9a	7.6a
0.0<	100.0<	0.3<	21.0<	11.0<
0.0>	22.6>	0.0>	20.7>	5.9>
		07/10/91 12:01:39		
0.0a	32.6a	0.1a	20.9a	7.6a
0.0<	100.0<	0.3<	21.0<	6.3<
0.0>	22.6>	0.0>	20.8>	3.7>
		07/10/91 12:02:40		
0.0a	32.5a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	5.5<
0.0>	22.6>	0.0>	20.8>	3.4>
		07/10/91 12:03:39		
0.0a	32.5a	0.1a	20.9a	7.5a
0.0<	43.5<	0.3<	21.0<	5.4<
0.0>	20.3>	0.0>	20.8>	3.8>
		07/10/91 12:04:40		
0.0a	32.4a	0.1a	20.9a	7.5a
0.0<	100.0<	0.7<	21.0<	26.5<
0.0>	22.3>	0.0>	20.6>	3.8>
		07/10/91 12:05:40		
0.0a	32.4a	0.1a	20.9a	7.7a
0.0<	100.0<	0.6<	20.9<	28.5<
0.0>	23.6>	0.0>	20.6>	16.4>
		07/10/91 12:06:40		
0.0a	32.4a	0.1a	20.9a	7.7a
0.0<	100.0<	0.4<	21.0<	16.7<
0.0>	24.8>	0.0>	20.6>	6.6>
		07/10/91 12:07:40		
0.0a	32.3a	0.1a	20.9a	7.7a
0.0<	100.0<	0.3<	21.0<	7.0<
0.0>	22.9>	0.0>	20.8>	2.8>
		07/10/91 12:08:40		
0.0a	32.3a	0.1a	20.9a	7.6a
0.0<	100.0<	0.3<	21.0<	4.0<
0.0>	22.5>	0.0>	20.8>	2.4>
		07/10/91 12:09:40		
0.0a	32.3a	0.1a	20.9a	7.6a
0.0<	100.0<	0.3<	21.0<	4.0<
0.0>	22.0>	0.0>	20.8>	2.4>
		07/10/91 12:10:40		
0.0a	32.2a	0.1a	20.9a	7.6a

0.0a	32.1a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	2.8<
0.0>	20.1>	0.0>	20.8>	1.9>

BETH ENERGY
TEST #2 7-10-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/10/91 12:12:40		
0.0a	32.1a	0.1a	20.9a	7.5a
0.0<	100.0<	0.3<	21.0<	2.4<
0.0>	18.4>	0.0>	20.8>	1.6>
		07/10/91 12:13:40		
0.0a	32.0a	0.1a	20.9a	7.4a
0.0<	100.0<	0.3<	21.0<	2.1<
0.0>	20.8>	0.0>	20.8>	1.4>
		07/10/91 12:14:40		
0.0a	32.0a	0.1a	20.9a	7.4a
0.0<	100.0<	0.3<	21.0<	2.1<
0.0>	18.7>	0.0>	20.8>	1.4>
		07/10/91 12:15:40		
0.0a	31.9a	0.1a	20.9a	7.3a
0.0<	100.0<	0.3<	21.0<	1.9<
0.0>	19.8>	0.0>	20.8>	1.1>

BETH ENERGY
TEST #3 7-11-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/11/91 10:10:14				
0.0a	31.7a	0.0a	20.9a	6.3a
0.0<	42.7<	0.3<	21.0<	11.0<
0.0>	0.0>	0.0>	20.8>	3.6>
07/11/91 10:11:14				
0.0a	33.0a	0.0a	20.9a	5.6a
0.0<	43.3<	0.1<	21.0<	4.8<
0.0>	29.7>	0.0>	20.8>	3.4>
07/11/91 10:12:14				
0.0a	33.1a	0.0a	20.9a	6.6a
0.0<	43.0<	0.4<	21.0<	18.2<
0.0>	29.9>	0.0>	20.6>	4.3>
07/11/91 10:13:13				
0.0a	33.5a	0.1a	20.9a	8.9a
0.0<	59.7<	0.4<	20.9<	18.9<
0.0>	30.5>	0.0>	20.6>	15.6>
07/11/91 10:14:14				
0.0a	33.9a	0.1a	20.9a	9.4a
0.0<	91.3<	0.2<	21.0<	16.0<
0.0>	29.0>	0.0>	20.7>	10.1>
07/11/91 10:15:14				
0.0a	33.9a	0.1a	20.9a	9.4a
0.0<	43.6<	0.2<	21.0<	10.5<
0.0>	5.0>	0.0>	20.8>	8.6>
07/11/91 10:16:14				
0.0a	33.8a	0.1a	20.9a	9.4a
0.0<	38.5<	0.2<	21.0<	9.2<
0.0>	0.0>	0.0>	20.8>	8.3>
07/11/91 10:17:14				
0.0a	33.1a	0.1a	20.9a	9.7a
0.0<	45.5<	0.4<	20.9<	20.4<
0.0>	23.1>	0.0>	20.6>	8.0>
07/11/91 10:18:14				
0.0a	33.3a	0.1a	20.8a	10.9a
0.0<	71.7<	0.4<	20.8<	23.7<
0.0>	29.9>	0.0>	20.5>	18.6>
07/11/91 10:19:14				
0.0a	32.9a	0.1a	20.8a	11.3a
0.0<	52.9<	0.3<	20.9<	18.9<
0.0>	25.3>	0.0>	20.6>	11.1>
07/11/91 10:20:14				
0.0a	32.6a	0.1a	20.8a	11.1a
0.0<	100.0<	0.2<	20.9<	11.6<
0.0>	24.5>	0.0>	20.7>	8.3>
07/11/91 10:21:14				
0.0a	32.1a	0.1a	20.8a	10.8a
0.0<	47.2<	0.2<	20.9<	8.6<
0.0>	26.8>	0.0>	20.7>	5.9>
07/11/91 10:22:14				
0.0a	32.2a	0.1a	20.8a	10.8a
0.0<	100.0<	0.5<	20.9<	23.7<
0.0>	25.5>	0.0>	20.5>	5.4>
07/11/91 10:23:14				
0.0a	32.1a	0.1a	20.8a	11.4a
0.0<	37.4<	0.2<	20.8<	21.6<

07/11/91 10:24:14				
0.0a	32.0a	0.1a	20.8a	11.3a
0.0<	54.2<	0.2<	20.9<	12.9<
0.0>	28.5>	0.0>	20.7>	7.3>

BETH ENERGY
TEST #3 7-11-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/11/91 10:25:14				
0.0a	31.9a	0.1a	20.8a	11.1a
0.0<	35.6<	0.1<	20.9<	8.0<
0.0>	27.3>	0.0>	20.7>	7.2>
07/11/91 10:26:14				
0.0a	31.8a	0.1a	20.8a	10.8a
0.0<	75.2<	0.1<	20.9<	7.7<
0.0>	25.8>	0.0>	20.7>	6.3>
07/11/91 10:27:14				
0.0a	31.7a	0.1a	20.8a	10.6a
0.0<	100.0<	0.1<	20.9<	6.8<
0.0>	24.5>	0.0>	20.7>	5.8>
07/11/91 10:28:14				
0.0a	31.5a	0.1a	20.8a	10.9a
0.0<	54.0<	0.6<	21.0<	37.0<
0.0>	20.7>	0.0>	20.3>	6.2>
07/11/91 10:29:14				
0.0a	31.8a	0.1a	20.8a	11.9a
0.0<	52.4<	0.4<	20.7<	40.9<
0.0>	34.5>	0.0>	20.4>	21.7>
07/11/91 10:30:13				
0.0a	31.9a	0.1a	[illegible]	[illegible]

				11.7a
			20.9<	7.6<
			20.7>	4.8>
		07/11/91 10:33:13		
	32.1a	0.1a	20.8a	11.4a
	43.3<	0.1<	20.9<	5.2<
0.0>	27.7>	0.0>	20.7>	3.9>
		07/11/91 10:34:13		
0.0a	32.1a	0.1a	20.8a	11.2a
0.0<	73.6<	0.1<	20.9<	4.5<
0.0>	28.9>	0.0>	20.7>	3.9>
		07/11/91 10:35:14		
0.0a	32.1a	0.1a	20.8a	10.9a
0.0<	41.5<	0.1<	20.9<	5.2<
0.0>	26.9>	0.0>	20.7>	3.9>
		07/11/91 10:36:14		
0.0a	32.0a	0.1a	20.8a	10.7a
0.0<	47.0<	0.1<	20.9<	4.9<
0.0>	20.5>	0.0>	20.7>	3.6>
		07/11/91 10:37:14		
0.0a	32.0a	0.1a	20.8a	10.5a
0.0<	41.7<	0.1<	20.9<	4.9<
0.0>	28.6>	0.0>	20.7>	3.8>
		07/11/91 10:38:14		
0.0a	31.9a	0.1a	20.8a	10.2a
0.0<	40.6<	0.1<	20.9<	4.6<
0.0>	19.0>	0.0>	20.7>	3.4>
		07/11/91 10:39:14		
0.0a	31.9a	0.1a	20.8a	10.2a
0.0<	47.1<	0.3<	20.9<	17.7<
0.0>	27.3>	0.0>	20.5>	3.4>

BETH ENERGY
TEST #3 7-11-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/11/91 10:40:14		
0.0a	31.9a	0.1a	20.8a	10.3a
0.0<	41.2<	0.3<	20.9<	17.5<
0.0>	18.7>	0.0>	20.6>	6.9>
		07/11/91 10:41:14		
0.0a	31.9a	0.1a	20.8a	10.2a
0.0<	57.8<	0.1<	20.9<	7.2<
0.0>	1.7>	0.0>	20.7>	5.0>
		07/11/91 10:42:14		
0.0a	32.0a	0.1a	20.8a	10.0a
0.0<	45.6<	0.1<	21.0<	6.4<
0.0>	28.0>	0.0>	20.7>	4.9>
		07/11/91 10:43:13		
0.0a	32.0a	0.1a	20.8a	9.9a
0.0<	100.0<	0.1<	20.9<	7.2<
0.0>	27.3>	0.0>	20.7>	5.5>
		07/11/91 10:44:14		
0.0a	32.0a	0.1a	20.8a	9.9a
0.0<	66.9<	0.4<	20.9<	21.9<
0.0>	16.4>	0.0>	20.5>	5.1>
		07/11/91 10:45:14		
0.0a	32.1a	0.1a	20.8a	10.1a

07/11/91 10:46:14				
0.0a	32.1a	0.1a	20.8a	10.1a
0.0<	54.2<	0.1<	20.9<	10.6<
0.0>	28.1>	0.0>	20.7>	8.0>
07/11/91 10:47:14				
0.0a	32.1a	0.1a	20.8a	10.1a
0.0<	100.0<	0.1<	20.9<	8.5<
0.0>	27.7>	0.0>	20.7>	7.2>
07/11/91 10:48:14				
0.0a	32.2a	0.0a	20.8a	10.0a
0.0<	100.0<	0.1<	20.9<	10.1<
0.0>	0.0>	0.0>	20.7>	7.2>
07/11/91 10:49:14				
0.0a	32.1a	0.0a	20.8a	10.0a
0.0<	100.0<	0.1<	20.9<	10.0<
0.0>	12.5>	0.0>	20.7>	8.2>
07/11/91 10:50:13				
0.0a	32.1a	0.0a	20.8a	10.2a
0.0<	45.4<	0.4<	20.9<	30.2<
0.0>	25.9>	0.0>	20.5>	8.2>
07/11/91 10:51:14				
0.0a	32.2a	0.0a	20.8a	10.4a
0.0<	100.0<	0.2<	20.9<	29.6<
0.0>	25.7>	0.0>	20.6>	12.4>
07/11/91 10:52:14				
0.0a	32.2a	0.0a	20.8a	10.5a
0.0<	54.0<	0.1<	20.9<	12.6<
0.0>	28.7>	0.0>	20.7>	9.1>
07/11/91 10:53:14				
0.0a	32.3a	0.0a	20.8a	10.4a
0.0<	41.5<	0.1<	20.9<	9.5<
0.0>	28.2>	0.0>	20.7>	7.6>
07/11/91 10:54:14				
0.0a	32.3a	0.0a	20.8a	10.3a
0.0<	50.2<	0.1<	20.9<	8.8<
0.0>	28.5>	0.0>	20.7>	6.5>

BETH ENERGY
TEST #3 7-11-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/11/91 10:55:14		
0.0a	32.2a	0.0a	20.8a	10.2a
0.0<	57.7<	0.1<	21.0<	6.8<
0.0>	15.5>	0.0>	20.7>	4.5>
		07/11/91 10:56:14		
0.0a	32.1a	0.0a	20.8a	10.2a
0.0<	94.0<	0.5<	20.9<	15.8<
0.0>	23.6>	0.0>	20.6>	5.1>
		07/11/91 10:57:13		
0.0a	32.0a	0.0a	20.8a	10.3a
0.0<	41.9<	0.2<	20.9<	16.1<
0.0>	23.7>	0.0>	20.6>	8.8>
		07/11/91 10:58:14		
0.0a	31.9a	0.0a	20.8a	10.3a
0.0<	56.0<	0.1<	20.9<	9.1<
0.0>	24.3>	0.0>	20.7>	7.3>
		07/11/91 10:59:14		
0.0a	31.8a	0.0a	20.8a	10.2a
0.0<	37.1<	0.1<	21.0<	7.6<
0.0>	7.6>	0.0>	20.7>	5.3>
		07/11/91 11:00:14		
0.0a	31.7a	0.0a	20.8a	10.1a
0.0<	68.0<	0.1<	21.0<	5.6<

0.0a	31.5a	0.0a	20.8a	10.0a
0.0<	100.0<	0.4<	21.0<	6.8<
0.0>	0.0>	0.0>	20.7>	4.4>
07/11/91 11:02:14				
0.0a	31.5a	0.0a	20.8a	10.2a
0.0<	95.1<	0.4<	20.8<	32.9<
0.0>	23.6>	0.0>	20.5>	6.6>
07/11/91 11:03:14				
0.0a	31.4a	0.0a	20.8a	10.4a
0.0<	31.4<	0.2<	21.0<	28.1<
0.0>	23.9>	0.0>	20.7>	8.7>
07/11/91 11:04:14				
0.0a	31.3a	0.0a	20.8a	10.3a
0.0<	57.3<	0.1<	21.0<	9.1<
0.0>	24.3>	0.0>	20.8>	6.7>
07/11/91 11:05:14				
0.0a	31.4a	0.0a	20.8a	10.3a
0.0<	94.1<	0.1<	21.0<	8.1<
0.0>	28.8>	0.0>	20.8>	6.6>
07/11/91 11:06:14				
0.0a	31.4a	0.0a	20.8a	10.3a
0.0<	54.7<	0.5<	21.0<	30.0<
0.0>	24.8>	0.0>	20.4>	7.3>
07/11/91 11:07:14				
0.0a	31.4a	0.0a	20.8a	10.7a
0.0<	49.1<	0.4<	20.9<	37.0<
0.0>	26.4>	0.0>	20.4>	22.1>
07/11/91 11:08:14				
0.0a	31.4a	0.0a	20.8a	10.7a
0.0<	53.5<	0.3<	20.9<	22.1<
0.0>	23.9>	0.0>	20.7>	7.7>
07/11/91 11:09:14				
0.0a	31.3a	0.0a	20.8a	10.6a
0.0<	100.0<	0.1<	21.0<	8.1<
0.0>	22.1>	0.0>	20.8>	6.3>

BETH ENERGY
TEST #3 7-11-91

a=Average ; Max=< ; Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/11/91 11:10:14		
0.0a	31.2a	0.0a	20.8a	10.5a
0.0<	100.0<	0.1<	21.0<	6.8<
0.0>	22.2>	0.0>	20.8>	4.1>
		07/11/91 11:11:14		
0.0a	31.2a	0.0a	20.8a	10.4a
0.0<	100.0<	0.1<	21.0<	5.1<
0.0>	26.7>	0.0>	20.8>	3.9>
		07/11/91 11:12:14		
0.0a	31.2a	0.0a	20.8a	10.4a
0.0<	100.0<	0.3<	21.0<	10.5<
0.0>	0.0>	0.0>	20.7>	4.6>
		07/11/91 11:13:14		
0.0a	31.2a	0.0a	20.8a	10.6a
0.0<	100.0<	0.3<	20.9<	28.1<
0.0>	28.1>	0.0>	20.6>	10.5>
		07/11/91 11:14:14		
0.0a	31.3a	0.0a	20.8a	10.6a
0.0<	100.0<	0.1<	21.0<	20.2<
0.0>	8.7>	0.0>	20.8>	7.1>
		07/11/91 11:15:14		
0.0a	31.3a	0.0a	20.8a	10.5a
0.0<	51.4<	0.1<	21.1<	7.5<

0.0a	31.3a	0.0a	20.8a	10.4a
0.0<	100.0<	0.2<	21.0<	7.0<
0.0>	27.1>	0.0>	20.8>	4.9>
07/11/91 11:17:13				
0.0a	31.3a	0.0a	20.8a	10.4a
0.0<	85.2<	0.1<	21.0<	5.4<
0.0>	27.9>	0.0>	20.8>	3.4>
07/11/91 11:18:13				
0.0a	31.3a	0.0a	20.8a	10.3a
0.0<	40.8<	0.1<	21.0<	3.9<
0.0>	4.5>	0.0>	20.8>	2.8>
07/11/91 11:19:13				
0.0a	31.2a	0.0a	20.8a	10.2a
0.0<	76.4<	0.1<	21.0<	3.2<
0.0>	0.0>	0.0>	20.8>	2.3>
07/11/91 11:20:14				
0.0a	31.2a	0.0a	20.8a	10.1a
0.0<	79.5<	0.1<	21.0<	4.3<
0.0>	22.8>	0.0>	20.8>	2.8>
07/11/91 11:21:14				
0.0a	31.1a	0.0a	20.8a	10.0a
0.0<	72.2<	0.1<	21.0<	6.1<
0.0>	21.8>	0.0>	20.8>	3.9>
07/11/91 11:30:14				
0.0a	30.6a	0.0a	20.8a	9.6a
0.0<	100.0<	0.2<	21.0<	5.1<
0.0>	25.7>	0.0>	20.8>	0.0>
07/11/91 11:31:13				
0.0a	30.6a	0.0a	20.8a	9.5a
0.0<	100.0<	0.2<	21.1<	4.9<
0.0>	0.0>	0.0>	20.8>	4.1>
07/11/91 11:32:14				
0.0a	30.5a	0.0a	20.8a	9.4a
0.0<	100.0<	0.2<	21.0<	4.9<
0.0>	18.4>	0.0>	20.8>	3.6>

BETH ENERGY
TEST #3 7-11-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/11/91 11:33:14		
0.0a	30.4a	0.0a	20.8a	9.4a
0.0<	40.8<	0.5<	21.0<	5.2<
0.0>	16.7>	0.0>	20.8>	3.3>
		07/11/91 11:34:14		
0.0a	30.3a	0.0a	20.8a	9.5a
0.0<	100.0<	0.6<	20.9<	33.3<
0.0>	0.0>	0.0>	20.6>	5.1>
		07/11/91 11:35:13		
0.0a	30.3a	0.0a	20.8a	9.6a
0.0<	43.7<	0.2<	21.1<	27.1<
0.0>	19.8>	0.0>	20.8>	6.6>
		07/11/91 11:36:14		
0.0a	30.2a	0.0a	20.8a	9.5a
0.0<	100.0<	0.2<	21.0<	7.0<
0.0>	0.0>	0.0>	20.8>	4.6>
		07/11/91 11:37:13		
0.0a	30.2a	0.0a	20.8a	9.5a
0.0<	49.6<	0.2<	21.0<	5.2<
0.0>	23.7>	0.0>	20.8>	3.8>
		07/11/91 11:38:14		
0.0a	30.2a	0.0a	20.8a	9.4a
0.0<	100.0<	0.3<	21.0<	4.7<

0.0a	30.1a	0.0a	20.8a	9.4a
0.0<	100.0<	0.2<	21.0<	5.7<
0.0>	23.8>	0.0>	20.8>	4.4>
07/11/91 11:40:14				
0.0a	30.1a	0.0a	20.8a	9.3a
0.0<	55.9<	0.2<	21.0<	5.2<
0.0>	21.9>	0.0>	20.8>	4.4>
07/11/91 11:41:14				
0.0a	30.1a	0.0a	20.8a	9.3a
0.0<	64.2<	0.2<	21.0<	7.3<
0.0>	23.2>	0.0>	20.8>	4.5>
07/11/91 11:42:14				
0.0a	30.0a	0.0a	20.8a	9.3a
0.0<	39.0<	0.2<	21.0<	7.9<
0.0>	12.3>	0.0>	20.8>	6.9>
07/11/91 11:43:14				
0.0a	29.9a	0.0a	20.8a	9.2a
0.0<	79.5<	0.2<	21.0<	7.3<
0.0>	19.2>	0.0>	20.8>	5.9>
07/11/91 11:44:13				
0.0a	29.9a	0.0a	20.8a	9.2a
0.0<	45.0<	0.2<	21.0<	6.2<
0.0>	18.8>	0.0>	20.8>	4.8>
07/11/91 11:45:14				
0.0a	29.8a	0.0a	20.8a	9.1a
0.0<	100.0<	0.2<	21.0<	5.8<
0.0>	19.1>	0.0>	20.8>	4.8>
07/11/91 11:46:14				
0.0a	29.7a	0.0a	20.8a	9.1a
0.0<	53.7<	0.5<	21.0<	15.6<
0.0>	17.7>	0.0>	20.7>	5.1>
07/11/91 11:47:14				
0.0a	29.7a	0.0a	20.8a	9.2a
0.0<	75.0<	0.4<	20.8<	19.3<
0.0>	18.1>	0.0>	20.6>	15.4>

BETH ENERGY
TEST #3 7-11-91

a=Average : Max=< : Min=>

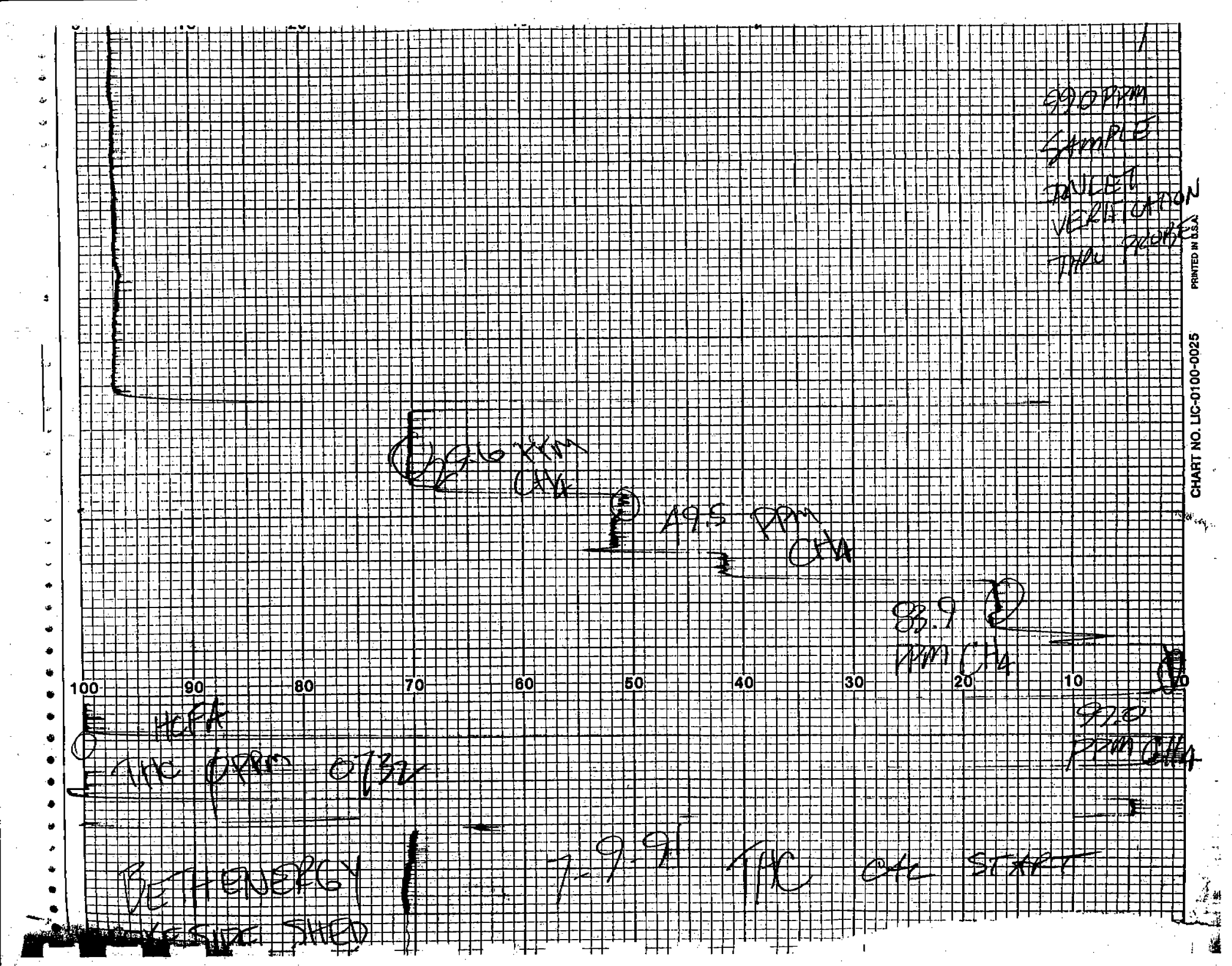
ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
		07/11/91 11:48:13		
0.0a	29.6a	0.0a	20.8a	9.3a
0.0<	36.0<	0.4<	21.0<	15.9<
0.0>	12.0>	0.0>	20.6>	8.7>
		07/11/91 11:49:13		
0.0a	29.5a	0.0a	20.8a	9.2a
0.0<	31.3<	0.3<	21.0<	9.0<
0.0>	2.0>	0.0>	20.8>	5.4>
		07/11/91 11:50:13		
0.0a	29.4a	0.0a	20.8a	9.2a
0.0<	36.1<	0.2<	21.0<	5.8<
0.0>	19.8>	0.0>	20.8>	3.1>
		07/11/91 11:51:14		
0.0a	29.4a	0.0a	20.8a	9.1a
0.0<	58.8<	0.3<	21.0<	9.3<
0.0>	20.9>	0.0>	20.8>	2.9>
		07/11/91 11:52:14		
0.0a	29.3a	0.0a	20.8a	9.1a
0.0<	100.0<	0.3<	21.0<	10.6<
0.0>	21.1>	0.0>	20.8>	8.3>
		07/11/91 11:53:14		
0.0a	29.3a	0.0a	20.8a	9.1a
0.0<	44.1<	0.3<	21.0<	8.5<
0.0>	20.4>	0.0>	20.8>	6.8>
		07/11/91 11:54:14		
0.0a	29.2a	0.0a	20.8a	9.1a
0.0<	37.4<	0.4<	21.0<	7.2<
0.0>	18.0>	0.0>	20.8>	5.7>
		07/11/91 11:55:14		
0.0a	29.2a	0.0a	20.8a	9.2a
0.0<	100.0<	0.5	20.9<	21.4<
0.0>	0.0>	0.0>	20.6>	6.6>
		07/11/91 11:56:14		
0.0a	29.1a	0.1a	20.8a	9.2a
0.0<	100.0<	0.4<	20.9<	19.8<
0.0>	0.0>	0.0>	20.6>	12.3>
		07/11/91 11:57:14		
0.0a	29.0a	0.1a	20.8a	9.2a
0.0<	29.9<	0.3<	20.9<	12.7<
0.0>	0.4>	0.0>	20.7>	6.8>
		07/11/91 11:58:14		
0.0a	28.9a	0.1a	20.8a	9.2a
0.0<	100.0<	0.3<	21.0<	7.3<
0.0>	8.7>	0.0>	20.8>	5.1>
		07/11/91 11:59:14		
0.0a	28.9a	0.1a	20.8a	9.2a
0.0<	100.0<	0.2<	21.0<	5.6<
0.0>	14.9>	0.0>	20.8>	4.7>
		07/11/91 12:00:13		
0.0a	28.8a	0.1a	20.8a	9.1a
0.0<	100.0<	0.2<	21.0<	6.2<
0.0>	19.2>	0.0>	20.8>	5.1>
		07/11/91 12:01:14		
0.0a	28.8a	0.1a	20.8a	9.1a
0.0<	100.0<	0.3<	21.0<	5.8<
0.0>	17.9>	0.0>	20.8>	3.0>
		07/11/91 12:02:14		

	0.0<	78.5<	0.3<	21.0<	3.3<
	0.0>	17.9>	0.0>	20.8>	2.4>

BETH ENERGY
TEST #3 7-11-91

a=Average : Max=< : Min=>

ERROR MESSAGE	THC PPM	CO2 %	O2 %	CO PPM
07/11/91 12:03:14				
0.0a	28.7a	0.1a	20.8a	9.1a
0.0<	100.0<	0.6<	20.9<	26.5<
0.0>	17.9>	0.0>	20.5>	2.7>
07/11/91 12:04:14				
0.0a	28.6a	0.1a	20.8a	9.2a
0.0<	65.1<	0.5<	20.8<	28.3<
0.0>	18.8>	0.0>	20.5>	20.3>
07/11/91 12:05:14				
0.0a	28.6a	0.1a	20.8a	9.2a
0.0<	97.9<	0.4<	20.9<	20.4<
0.0>	20.0>	0.0>	20.6>	6.9>
07/11/91 12:06:14				
0.0a	28.6a	0.1a	20.8a	9.2a
0.0<	100.0<	0.3<	21.0<	7.3<
0.0>	0.0>	0.0>	20.8>	4.1>
07/11/91 12:07:14				
0.0a	28.5a	0.1a	20.8a	9.2a
0.0<	100.0<	0.2<	21.0<	4.3<
0.0>	0.0>	0.0>	20.8>	2.3>
07/11/91 12:08:14				
0.0a	28.5a	0.1a	20.8a	9.1a
0.0<	66.6<	0.3<	21.0<	4.2<
0.0>	0.0>	0.0>	20.8>	2.3>
07/11/91 12:09:14				
0.0a	28.5a	0.1a	20.8a	9.1a
0.0<	42.6<	0.6<	21.0<	20.5<
0.0>	0.0>	0.0>	20.6>	3.1>
07/11/91 12:10:13				
0.0a	28.5a	0.1a	20.8a	9.2a
0.0<	100.0<	0.5<	20.9<	24.6<
0.0>	0.0>	0.0>	20.6>	16.8>


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.

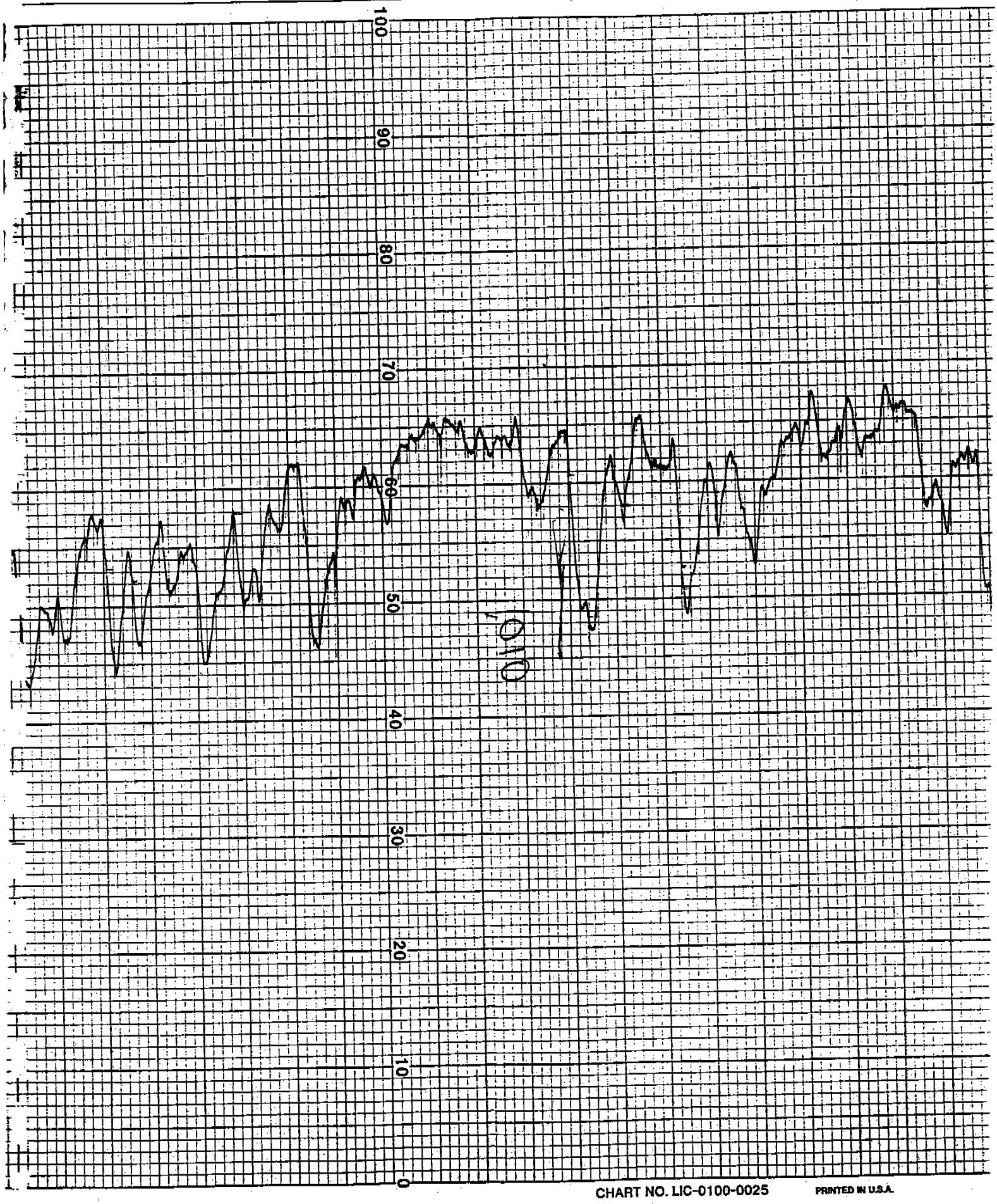
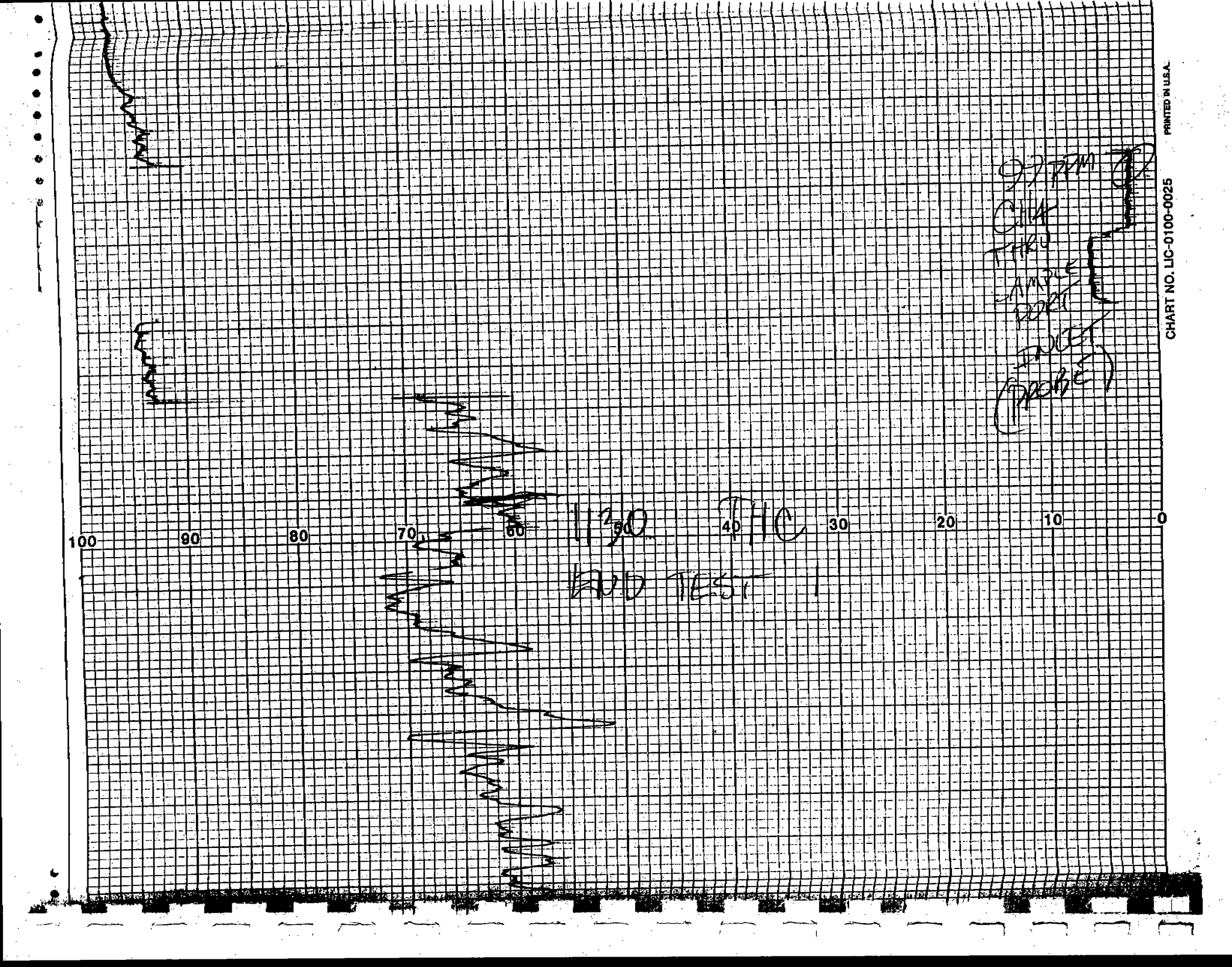
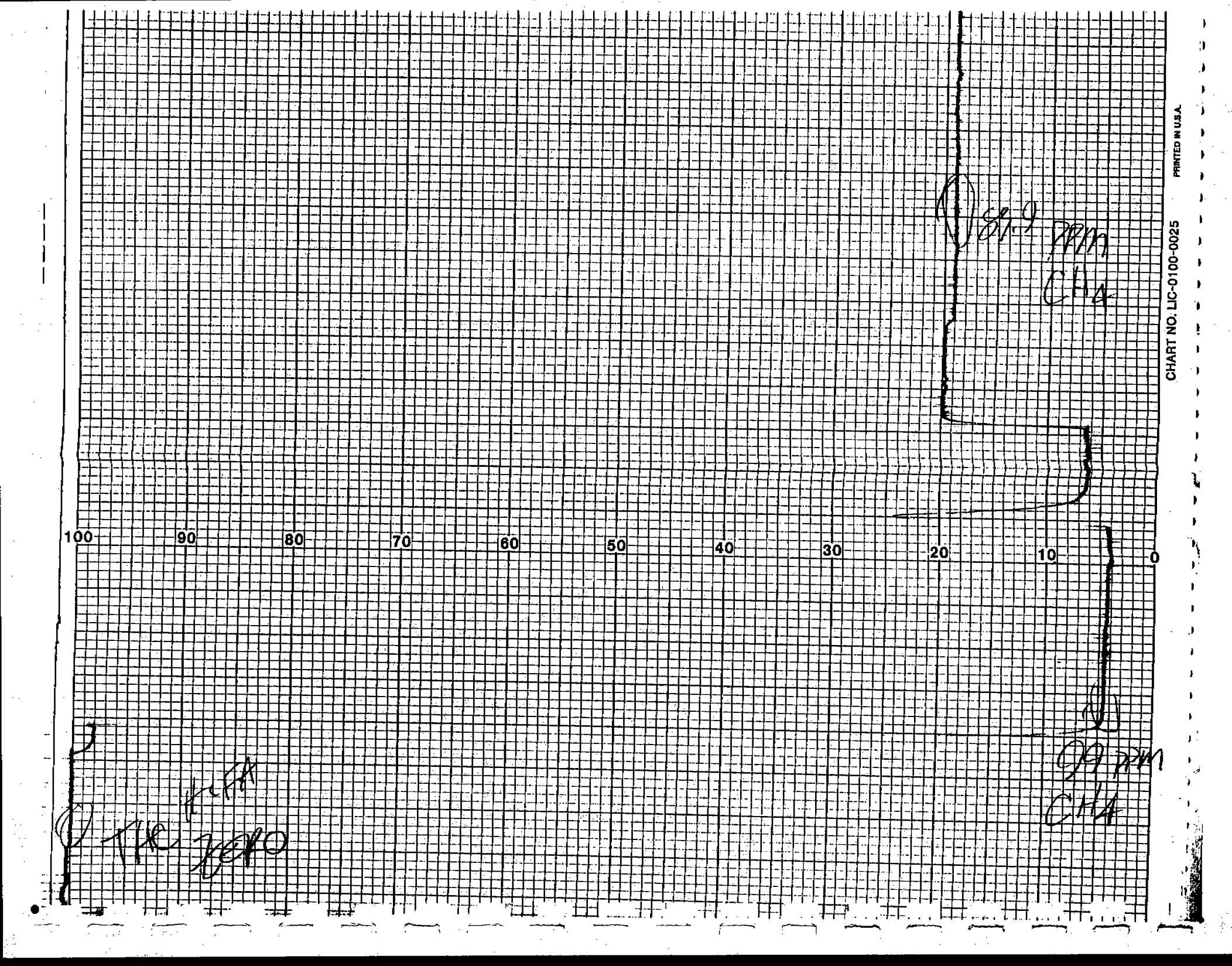
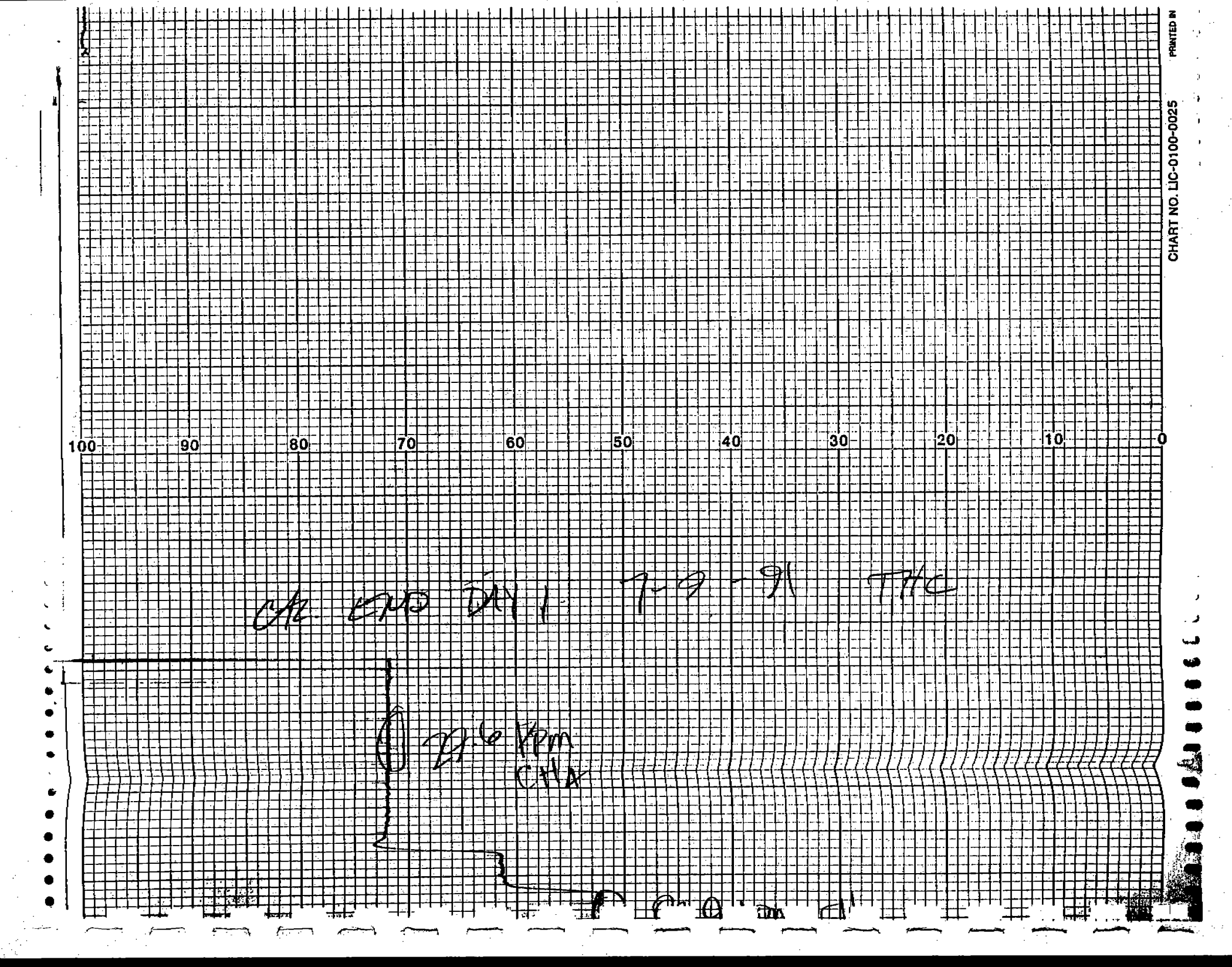


CHART NO. LIC-0100-0025 PRINTED IN U.S.A.


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN
AT END DAY 1 7-9-91 THC
11.6 KPM
C+HX

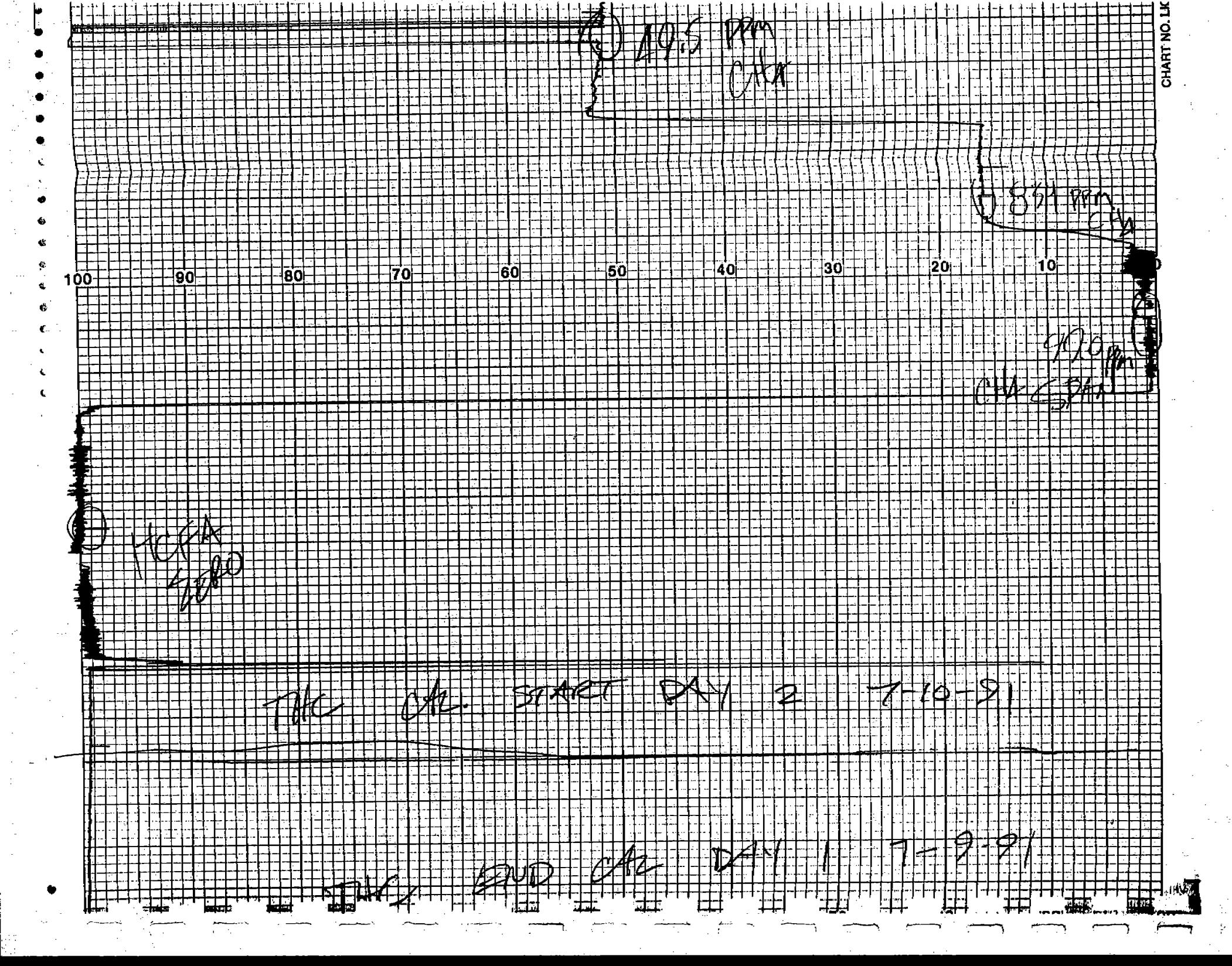
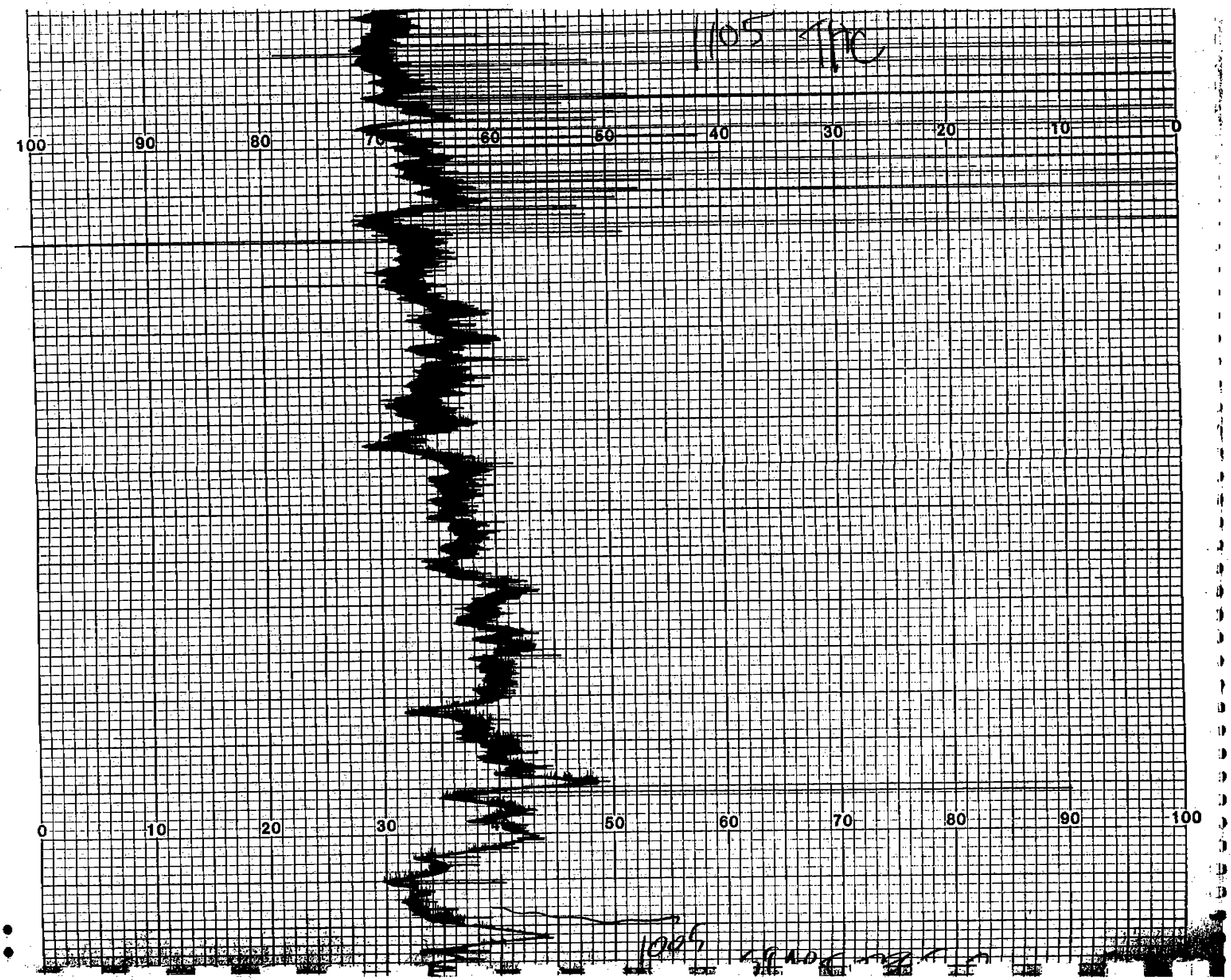
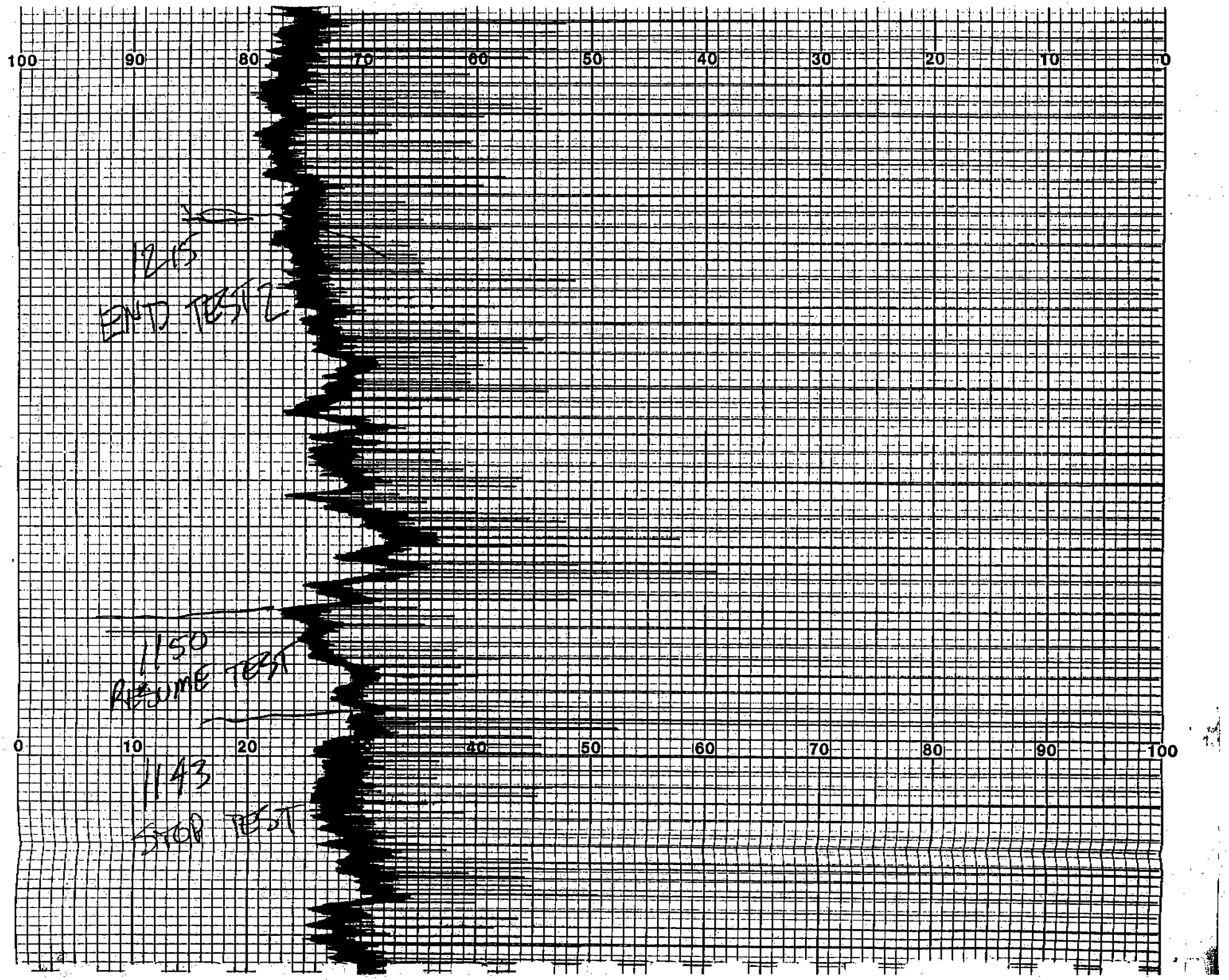
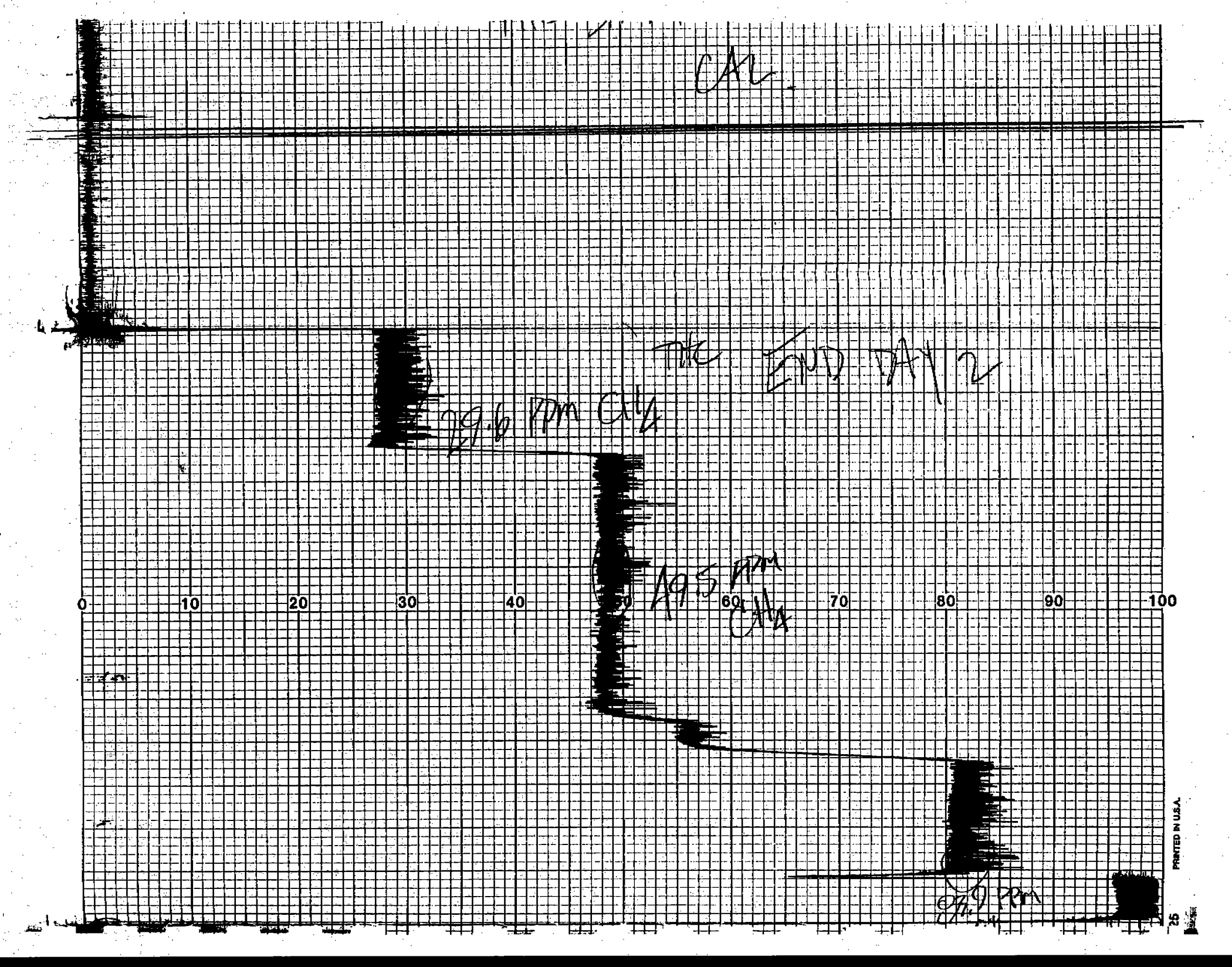
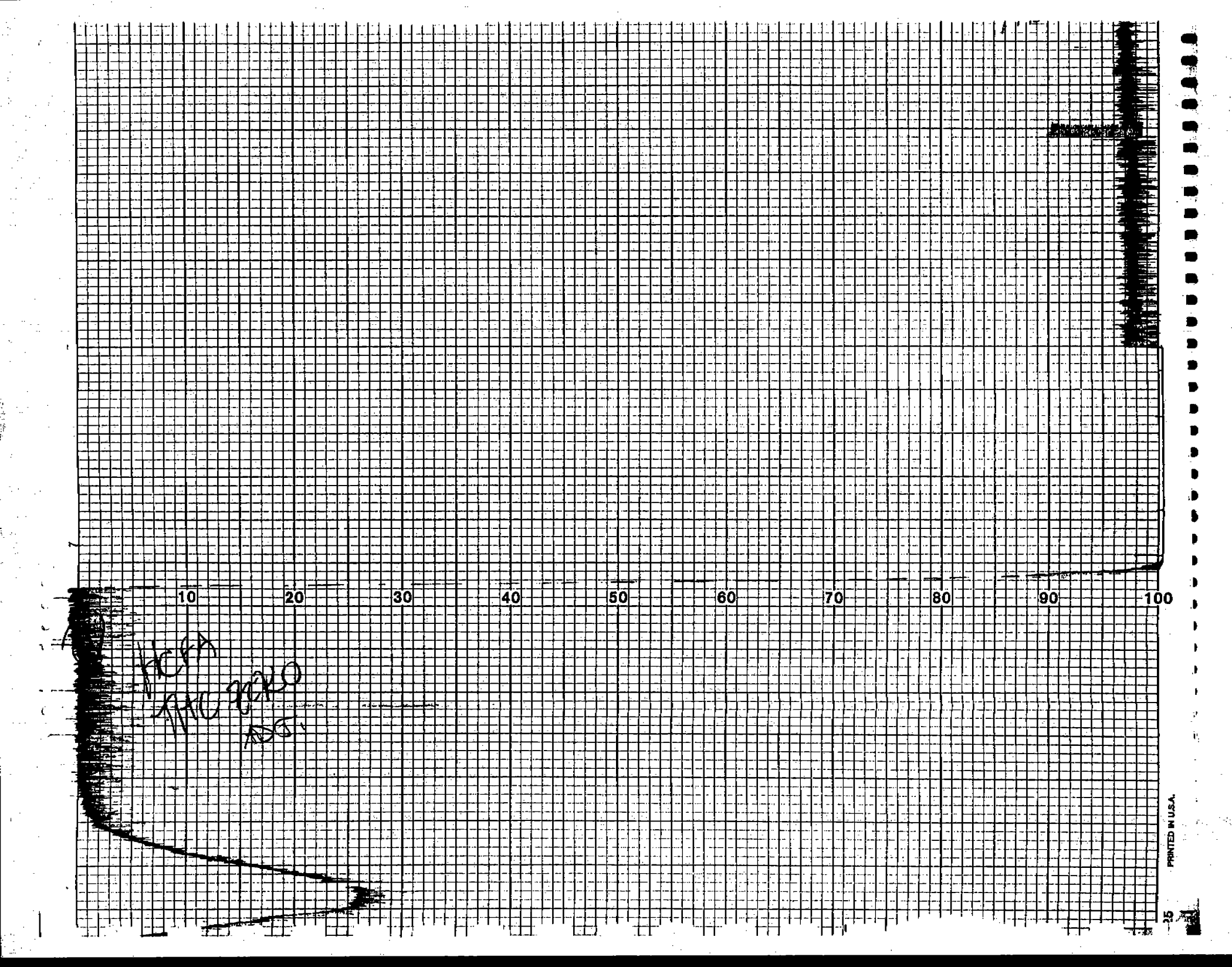


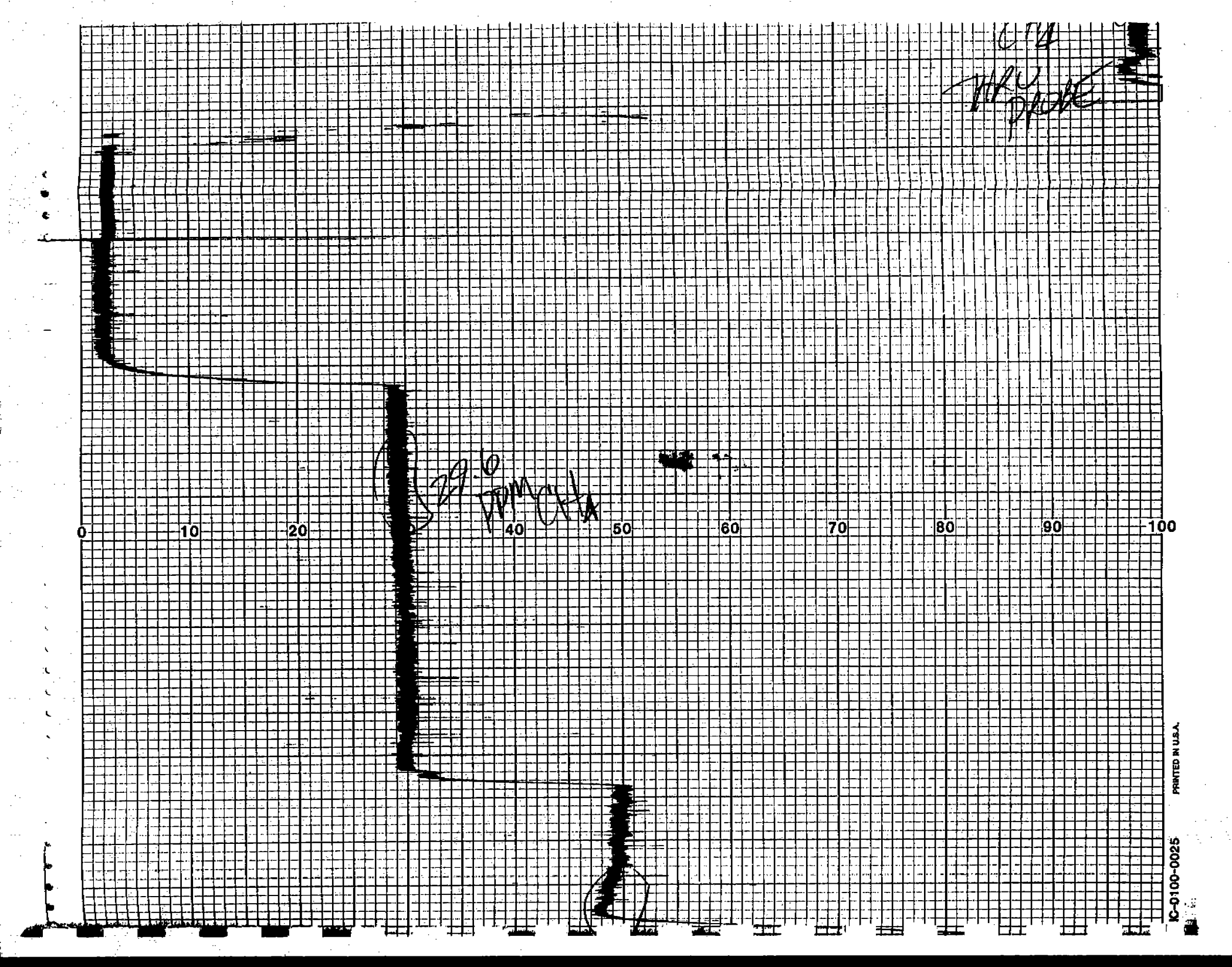
CHART NO. LK
100
90
80
70
60
50
40
30
20
10
0
START
END


100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
50
60
70
80
90
100


100
90
80
70
60
50
40
30
20
10
0
12:15
END TEST
11:50
RESUME TEST
0
10
20
40
50
60
70
80
90
100
11:43
STOP TEST


CAL
THE END DAY 2
29.6 PPM CAL
19.5 PPM CAL
0
10
20
30
40
50
60
70
80
90
100
PRINTED IN U.S.A.


10
20
30
40
50
60
70
80
90
100
PRINTED IN U.S.A.


0
10
20
30
40
50
60
70
80
90
100
IC-0100-0025
PRINTED IN U.S.A.

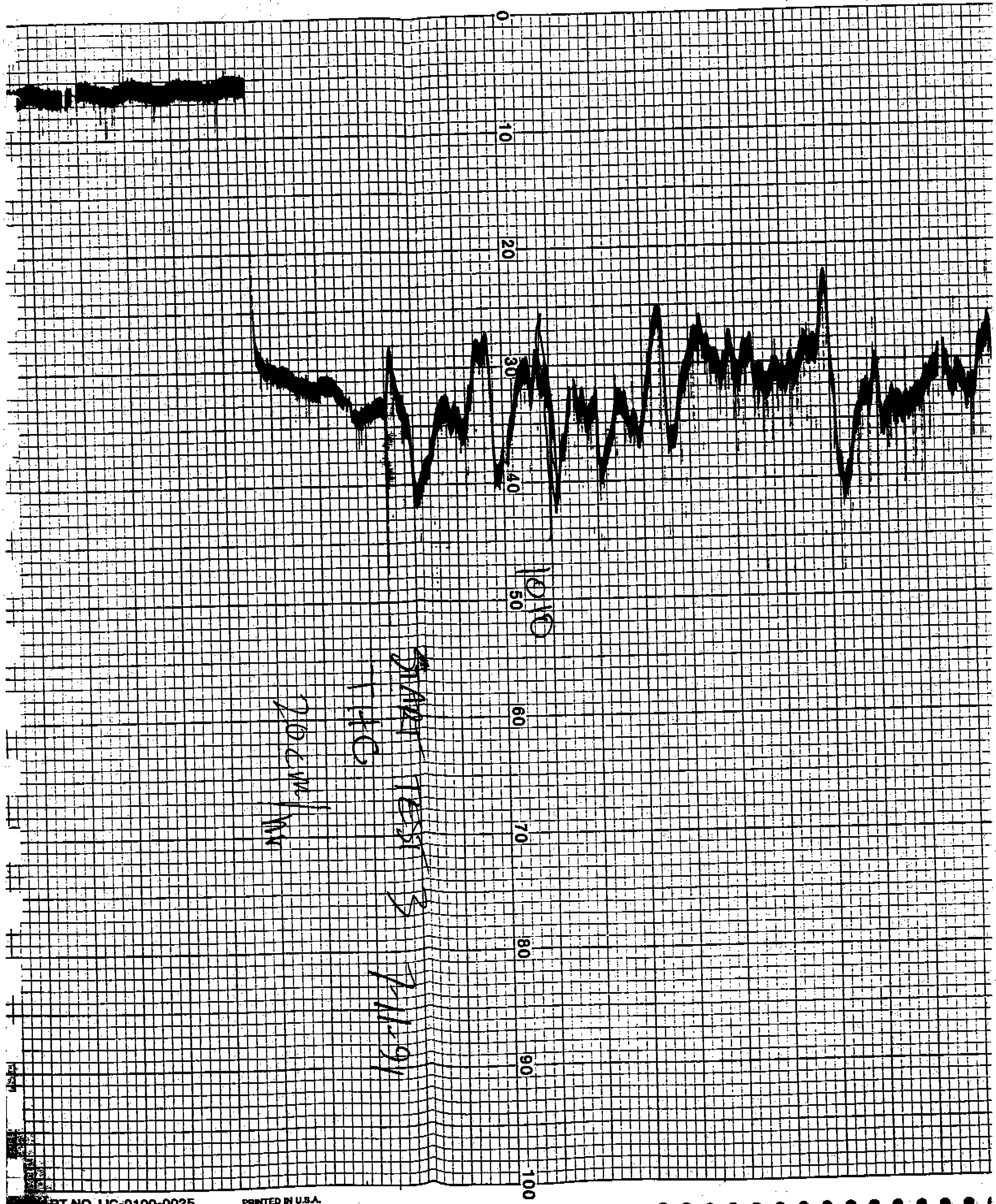
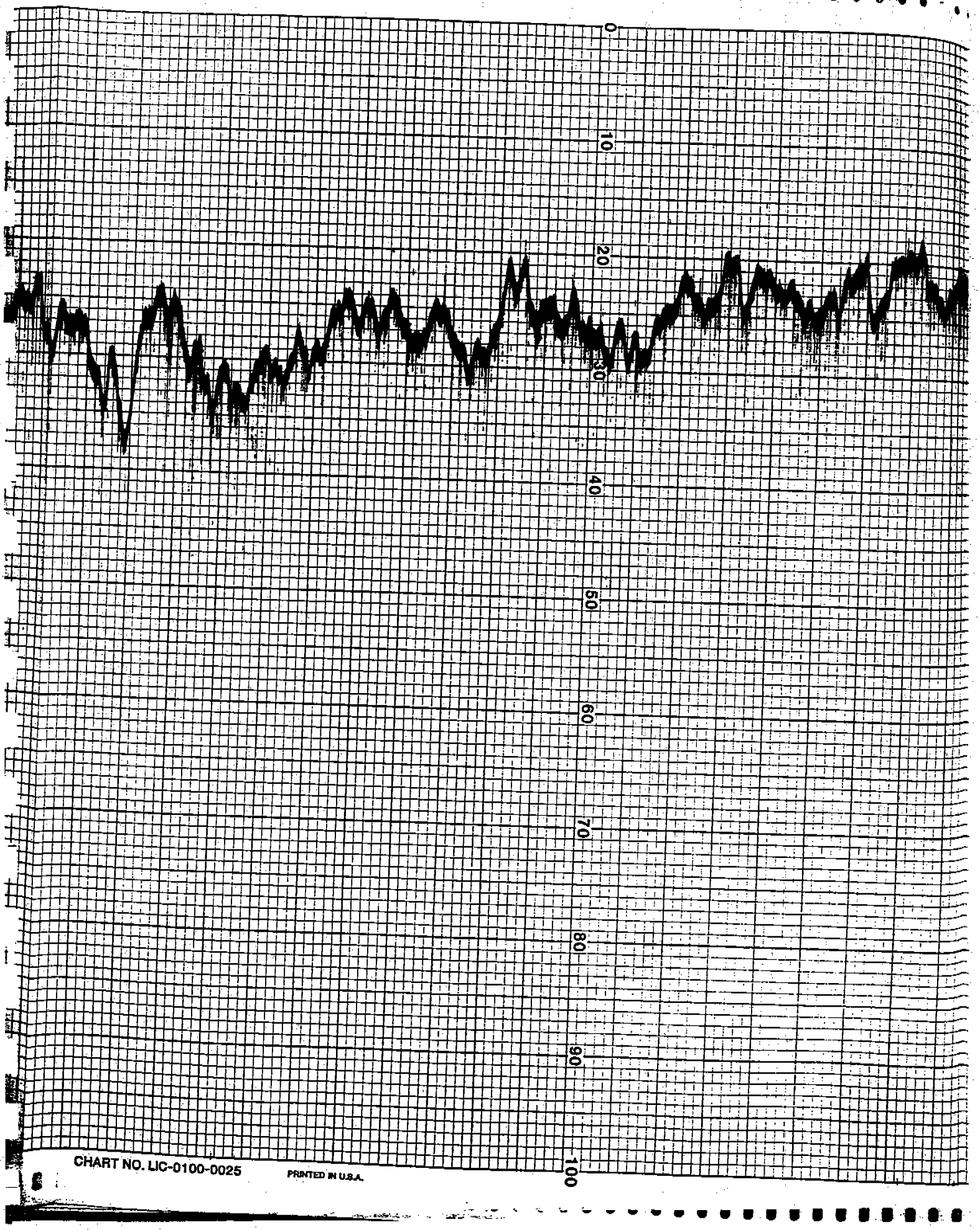
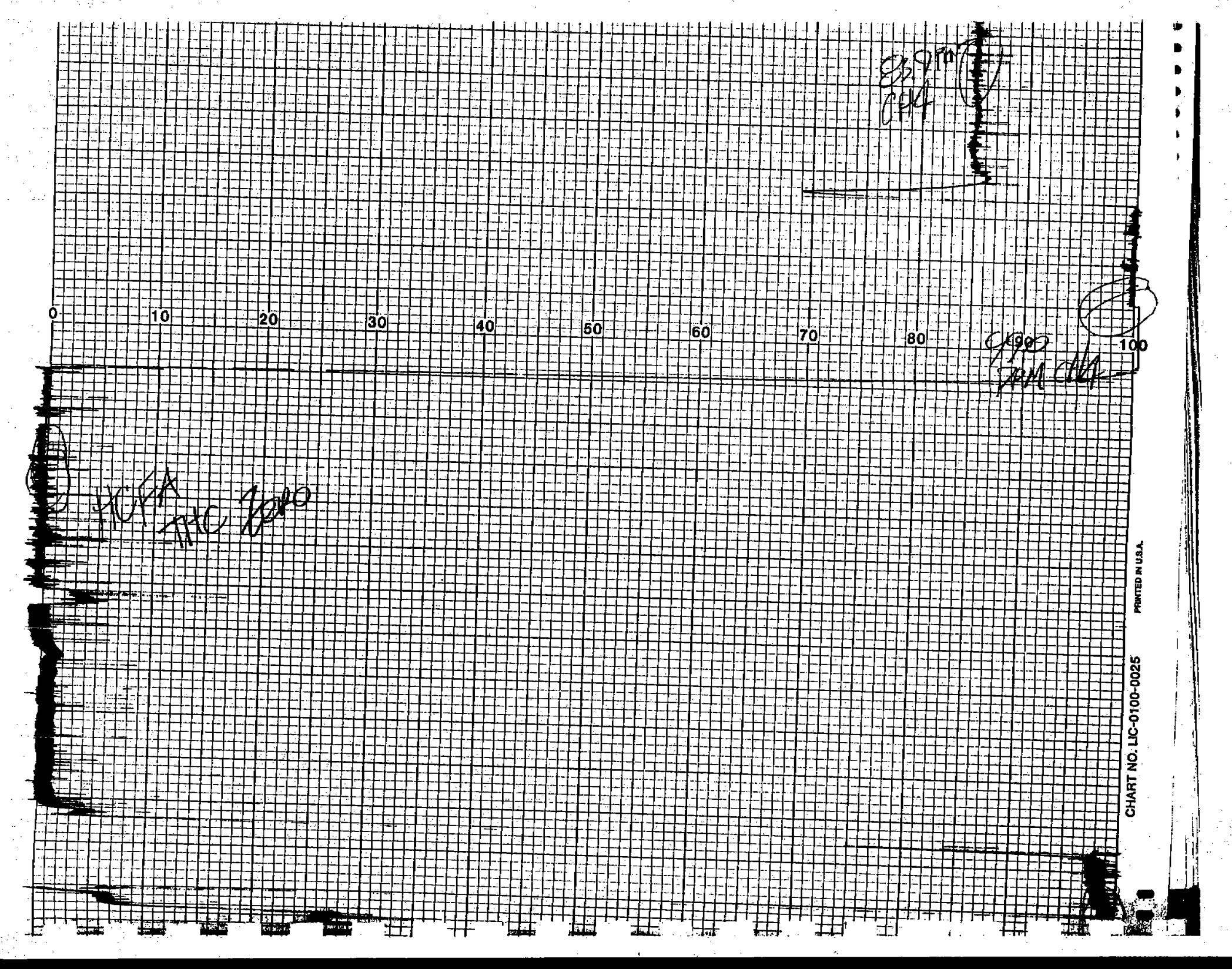
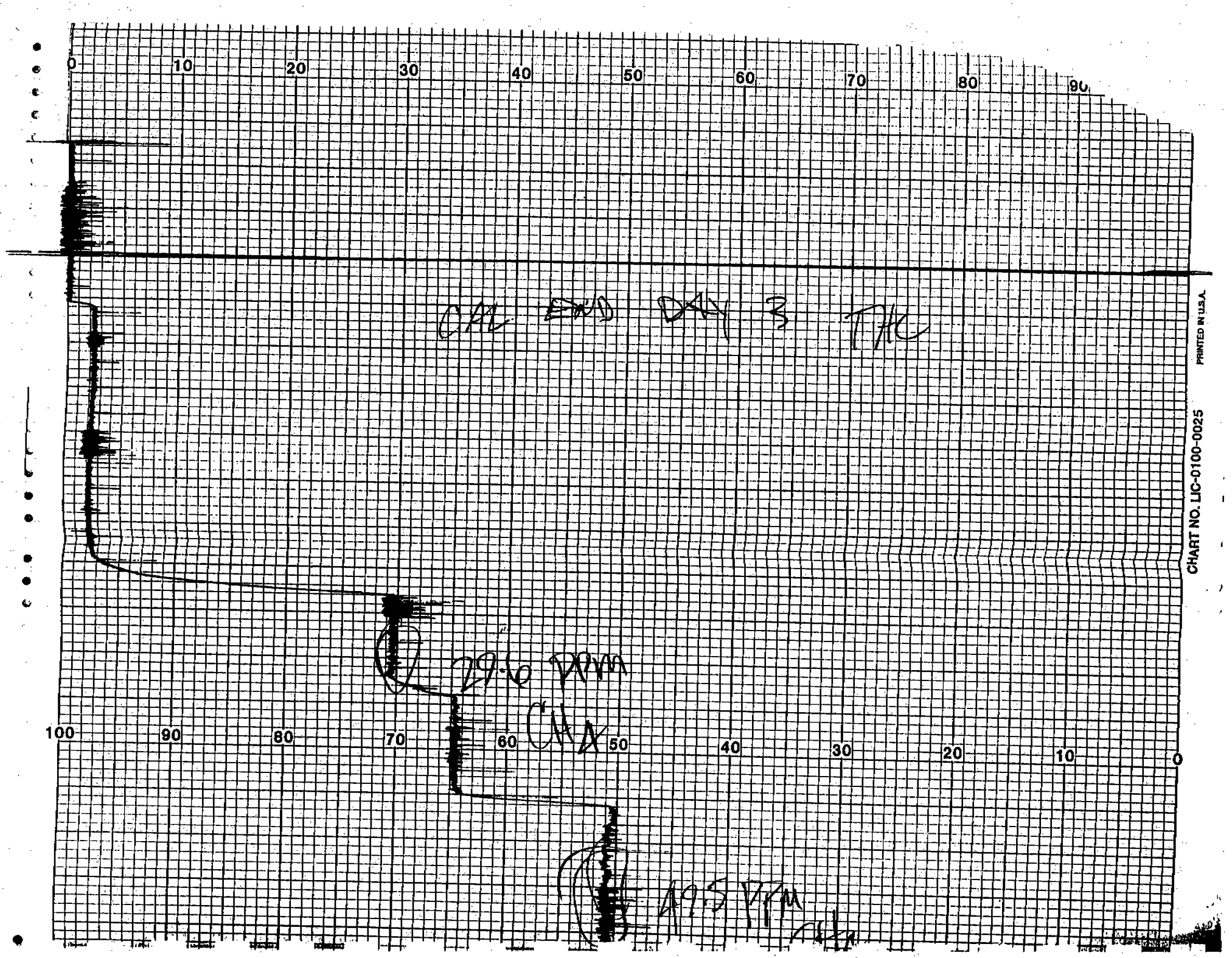


CHART NO. LIC-0100-0025

PRINTED IN U.S.A.


0
10
20
30
40
50
60
70
80
90
100
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.


0
10
20
30
40
50
60
70
80
90
100
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.


0
10
20
30
40
50
60
70
80
90
100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.
END DAY 3 TMC
2940 PPM
CMX
495 PPM

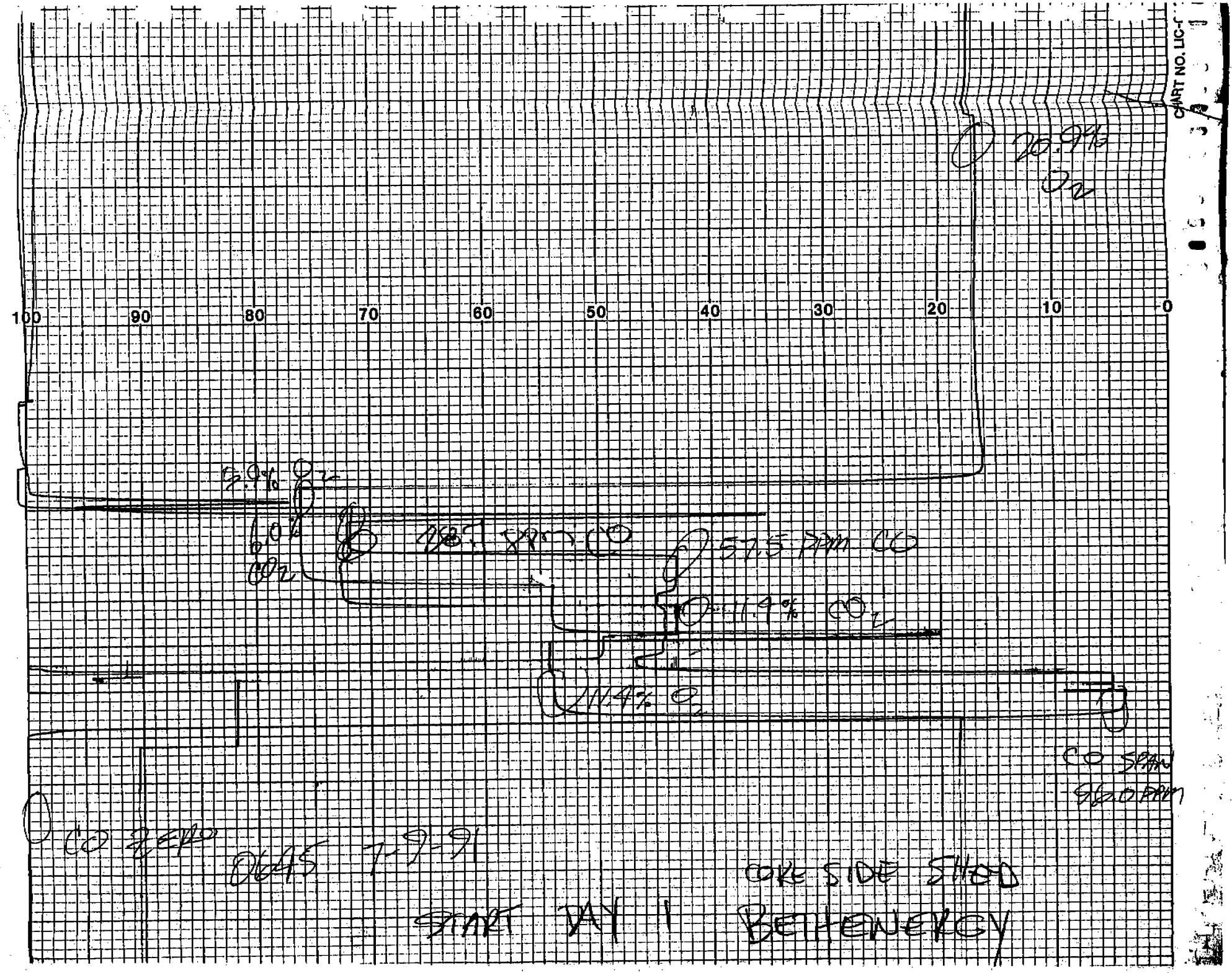
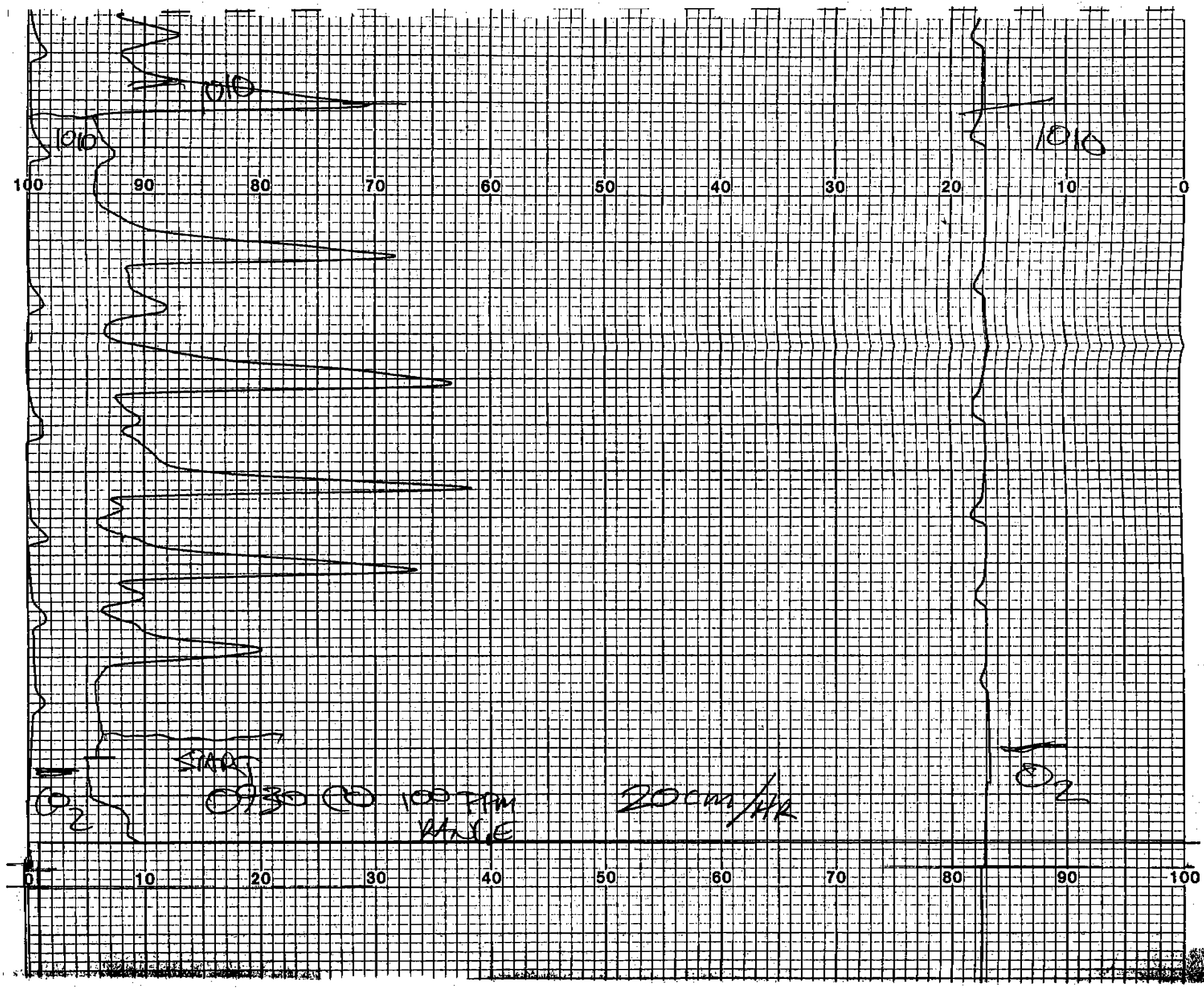
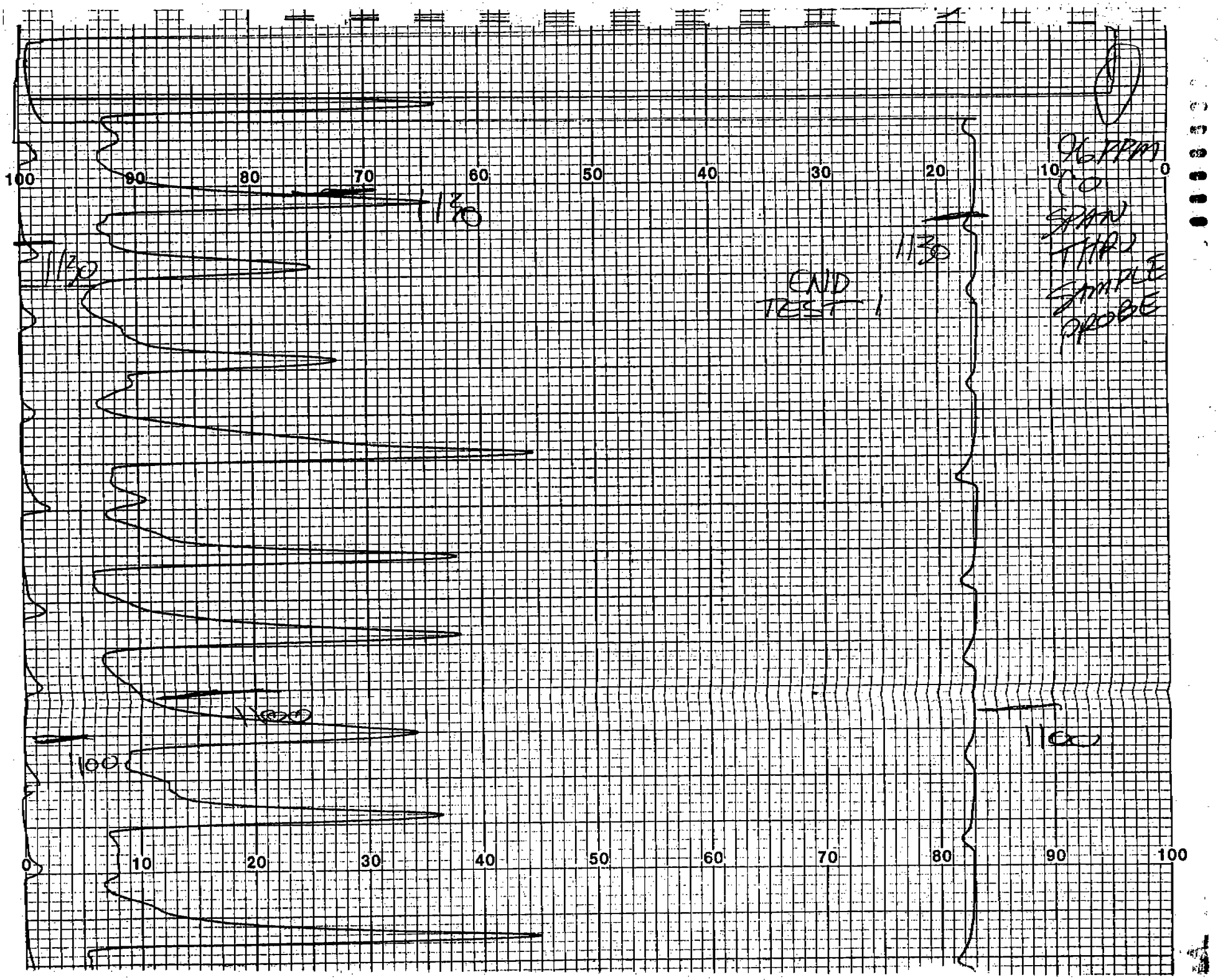
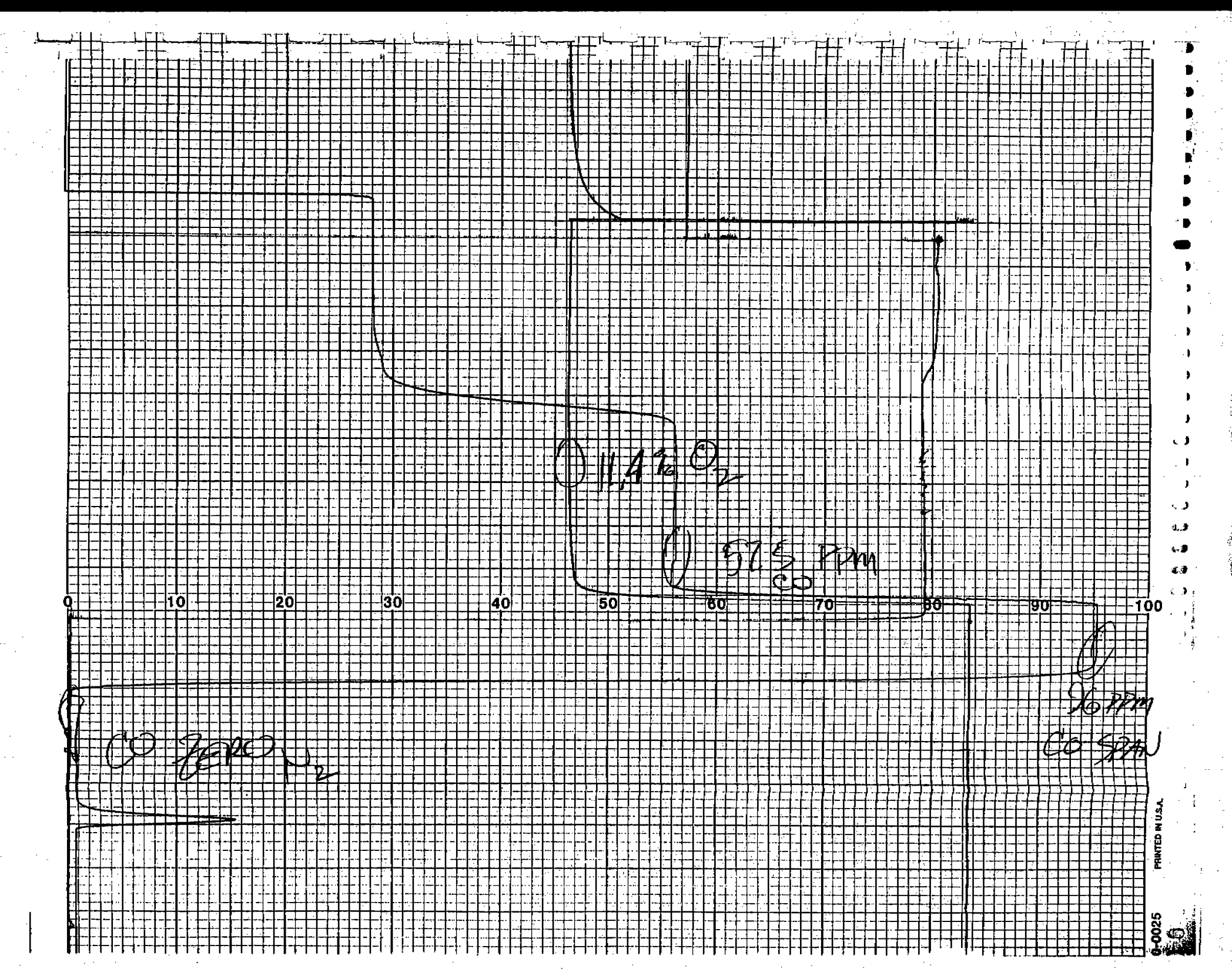


CHART NO. LIC-
100
90
80
70
60
50
40
30
20
10
0
20.9% O2
2.9% O2
1.0% CO2
281 PPM CO
575 PPM CO
11.9% CO2
14.4% O2
CO ZERO
7-9-91
START
COKE SIDE SHED
BETHENERGY


1010
1010
100
90
80
70
60
50
40
30
20
10
0
1010
O_2
SMOKE
0930 CO 100 PPM
MAKE
20 cm/HR
O_2
0
10
20
30
40
50
60
70
80
90
100


100
90
80
70
60
50
40
30
20
10
0
H2O
H2O
END TEST
H2O
H2O
H2O
0
10
20
30
40
50
60
70
80
90
100


11.4% O2
515 RPM
0
10
20
30
40
50
60
70
80
90
100
16 RPM
CO ppm
CO %
O2
0-0025
PRINTED IN U.S.A.

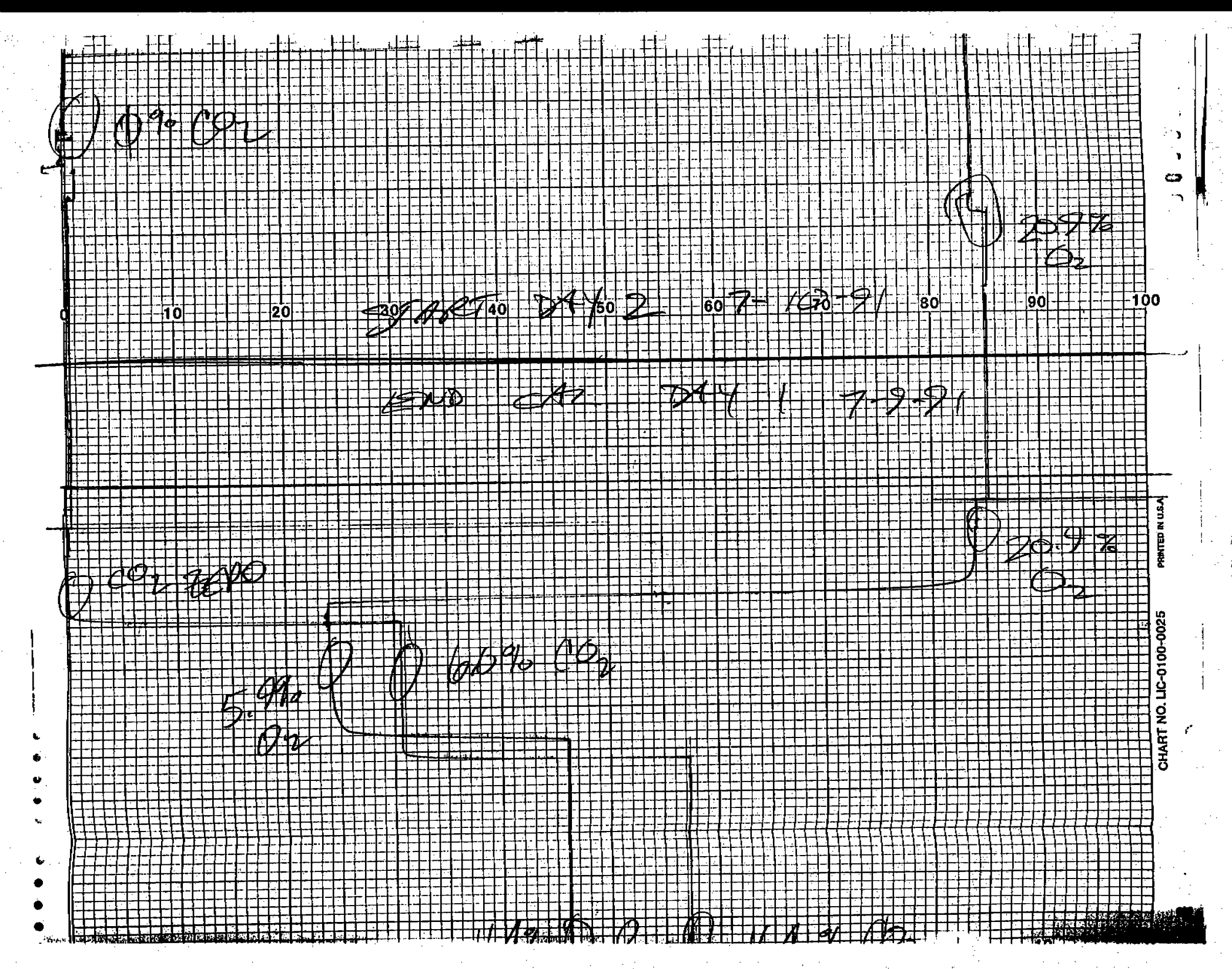
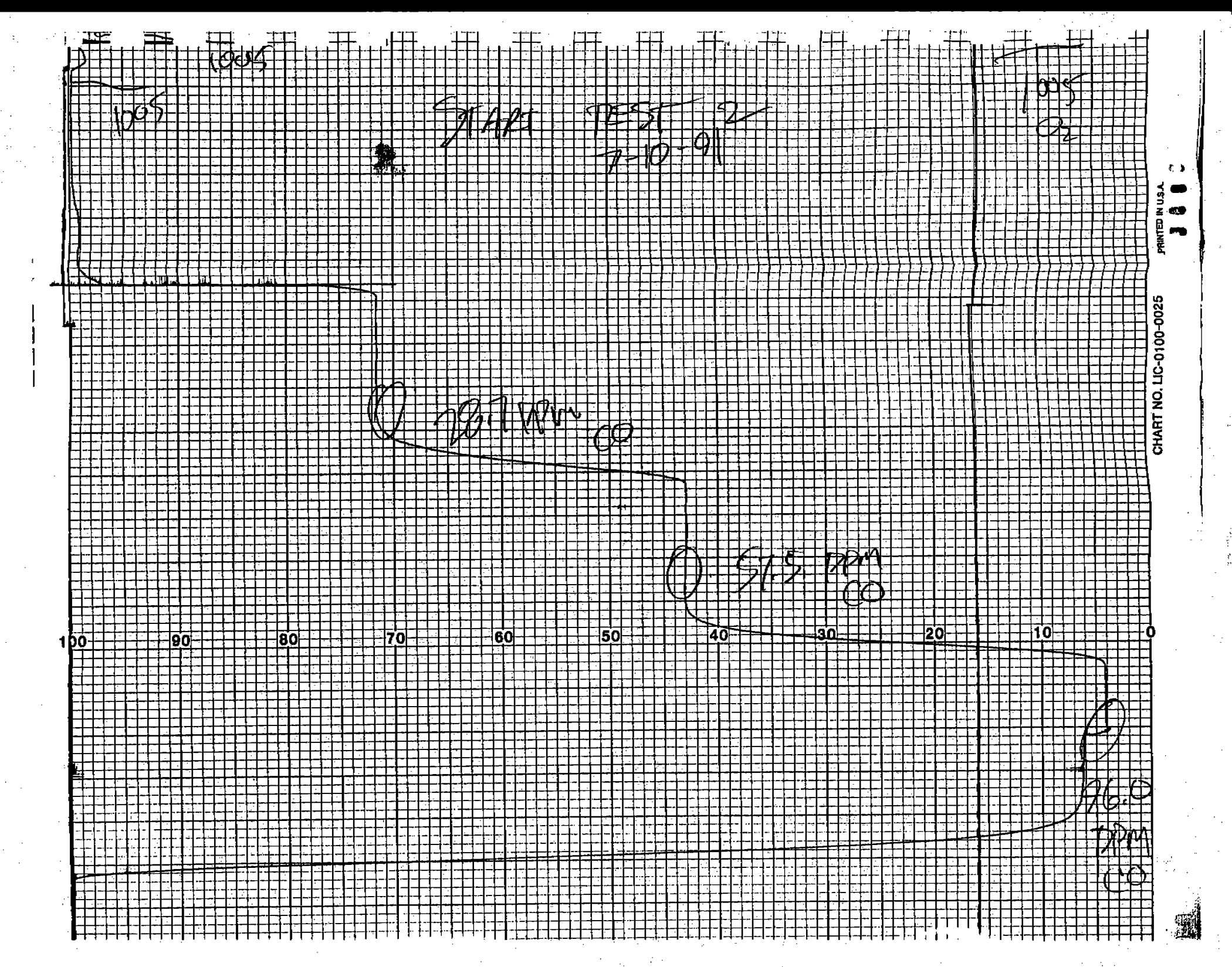

0 % CO2
20.9% O2
0
10
20
30
40
50
60
70
80
90
100
END EXP 7-9-91
CO2 TEMP
5.9% O2
60% CO2
20.9% O2
PRINTED IN U.S.A.
CHART NO. LIC-0100-0025

CHART NO. LIC-0100-0025

PRINTED IN U.S.A.


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTED IN U.S.A.

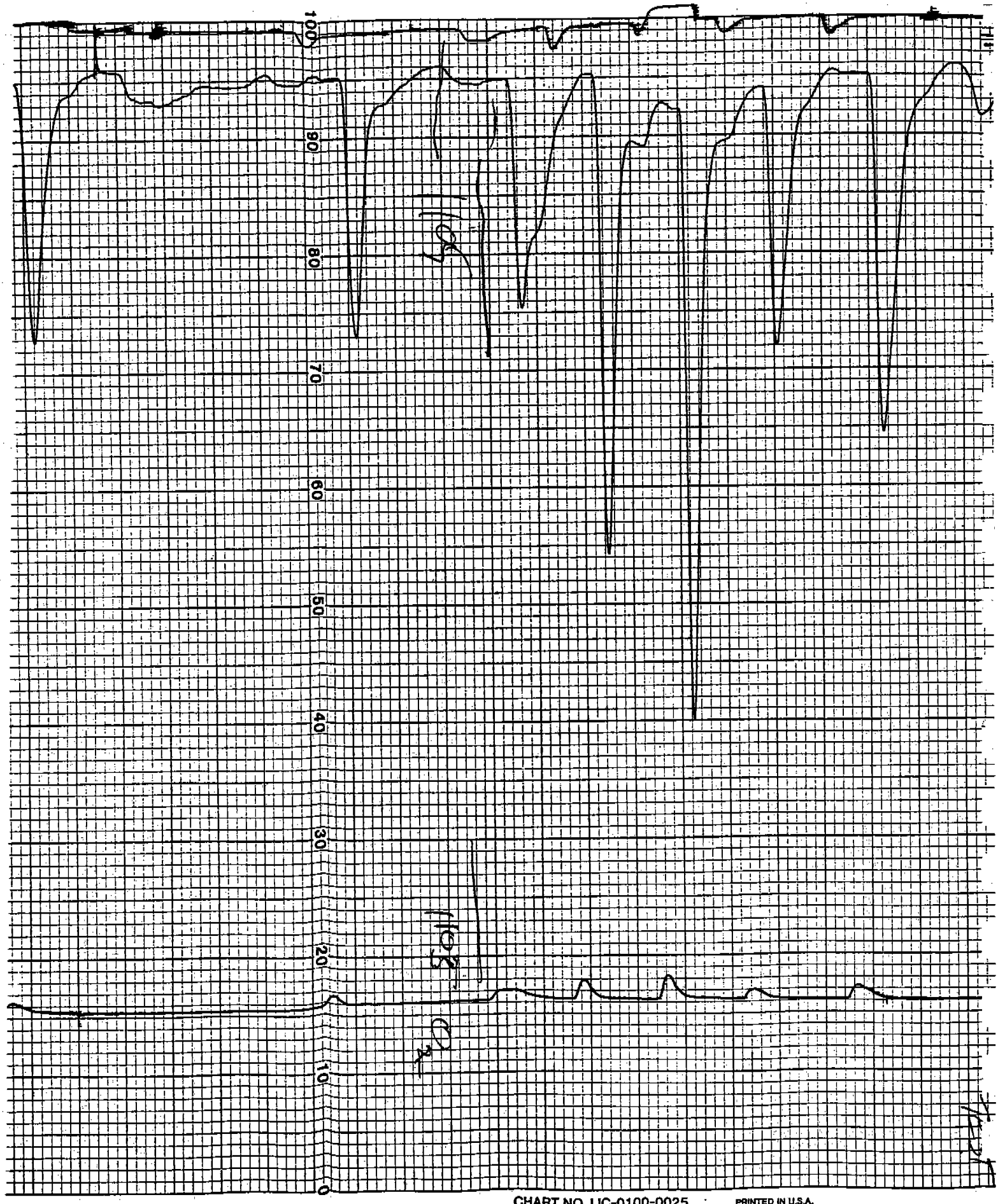
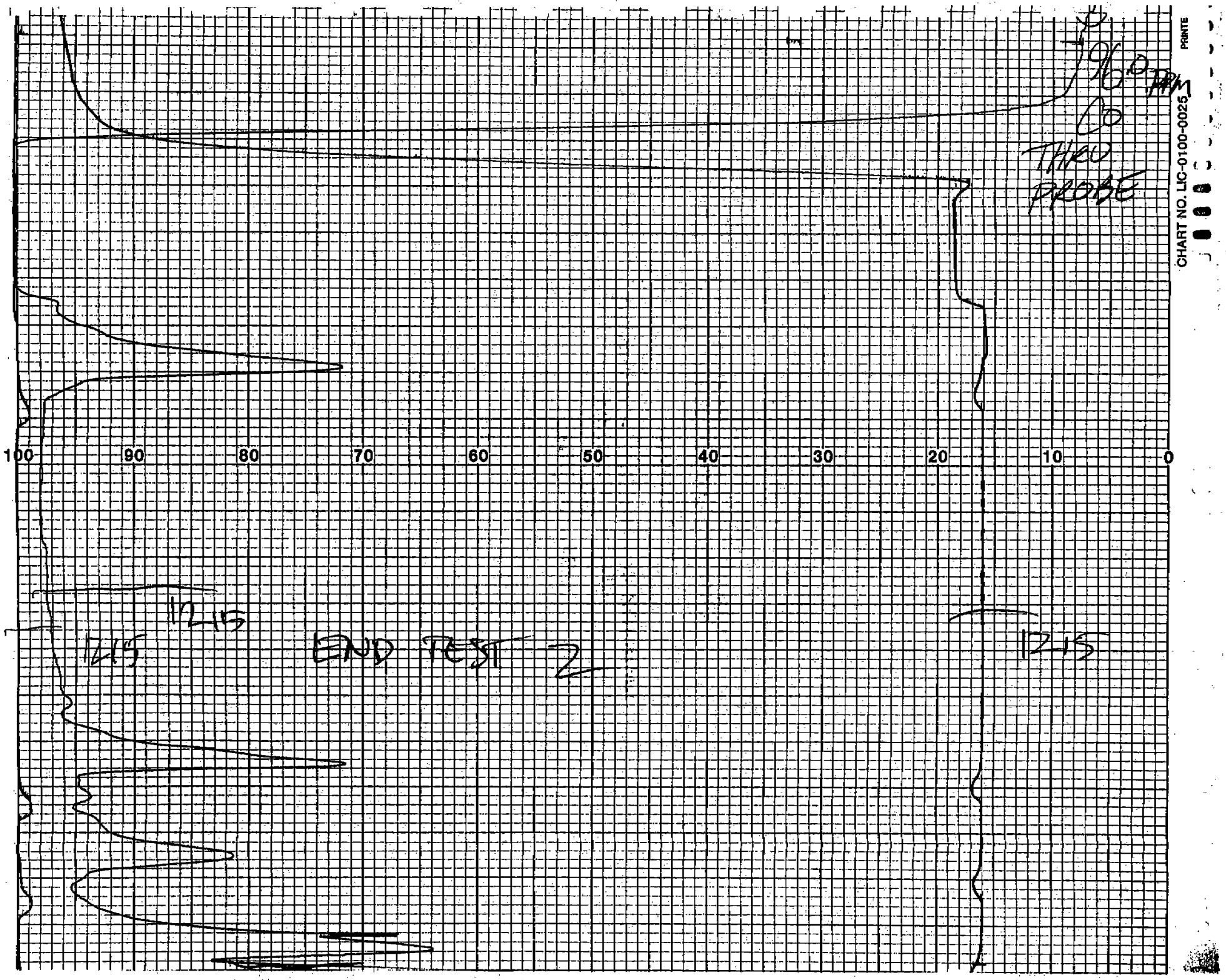
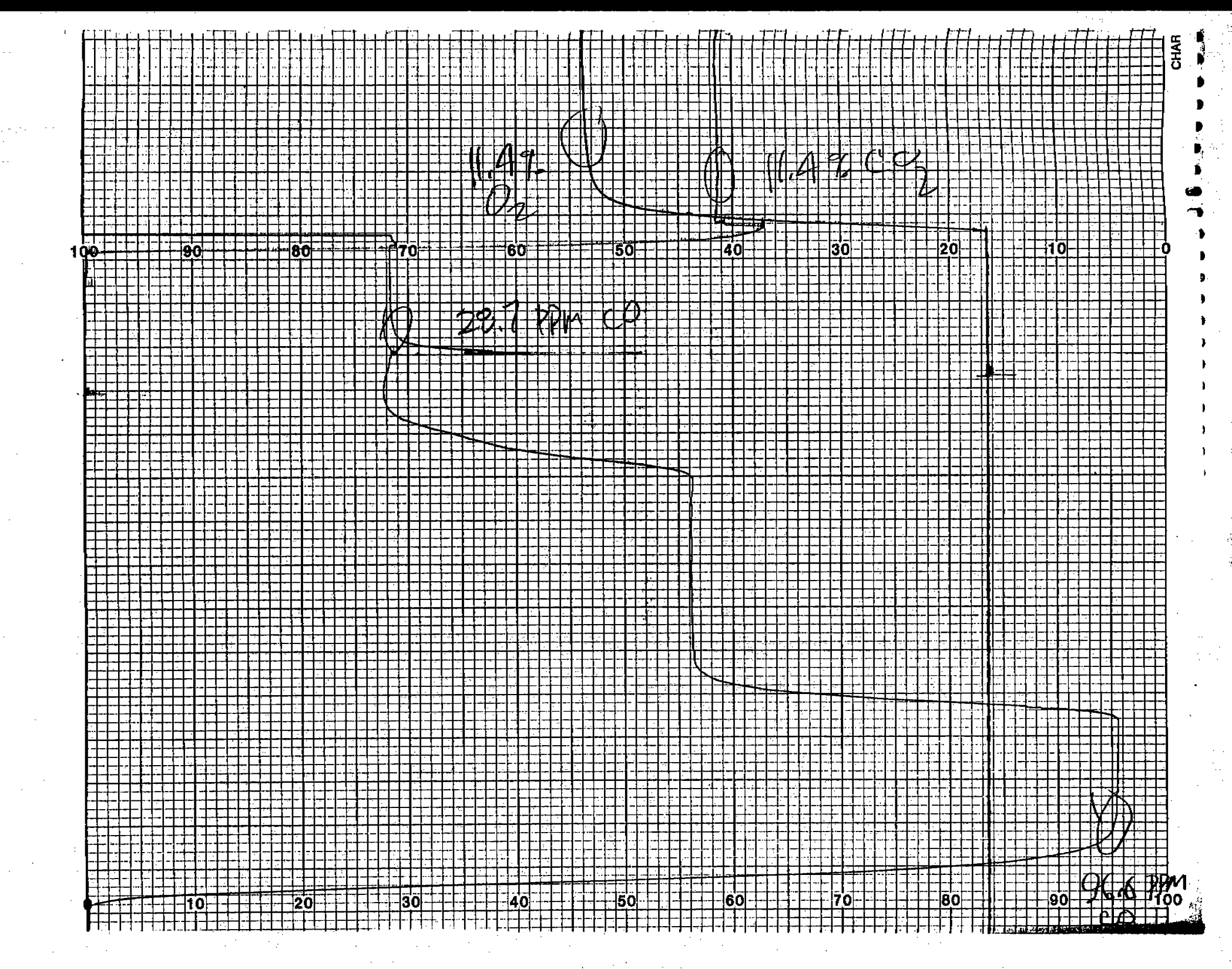
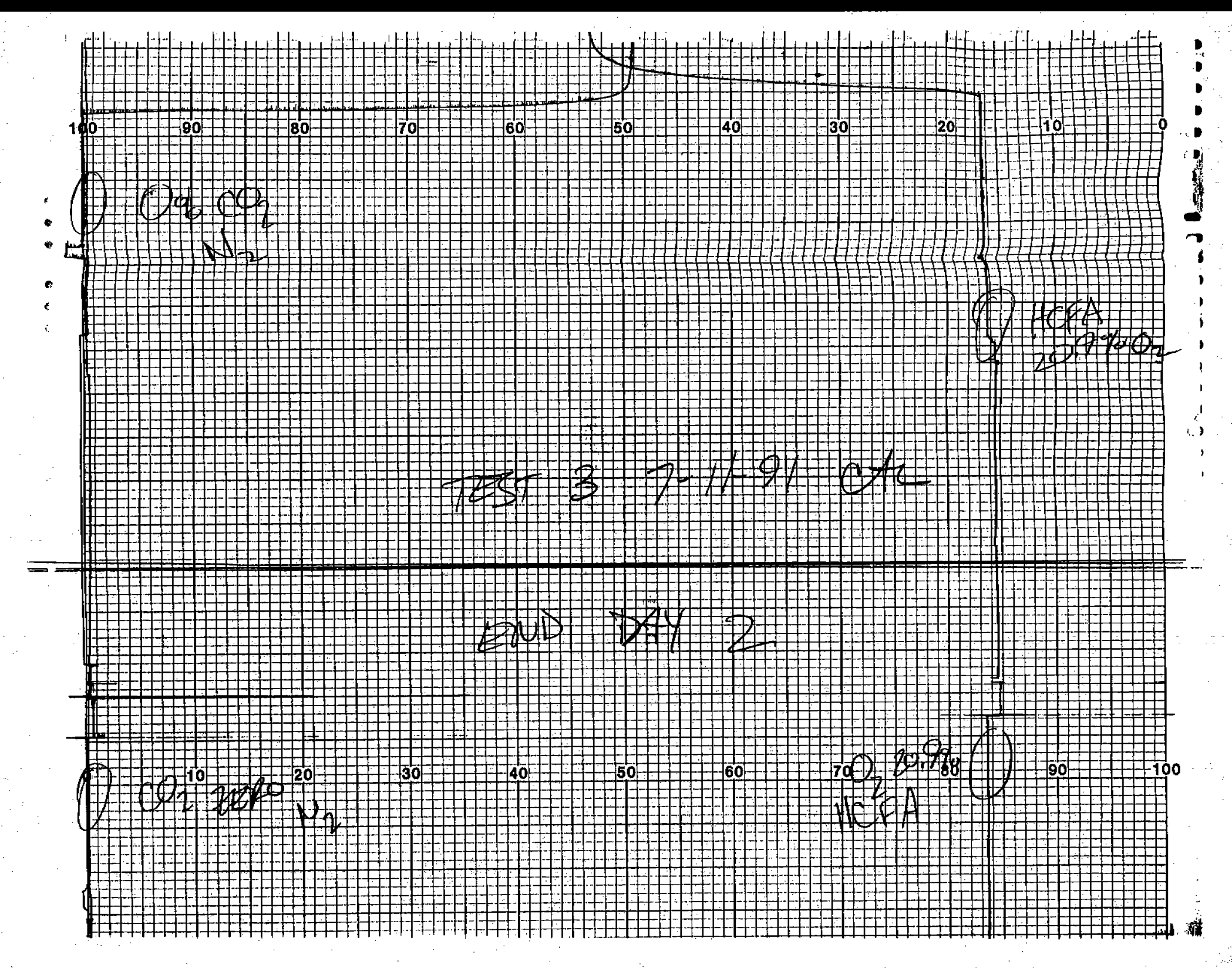
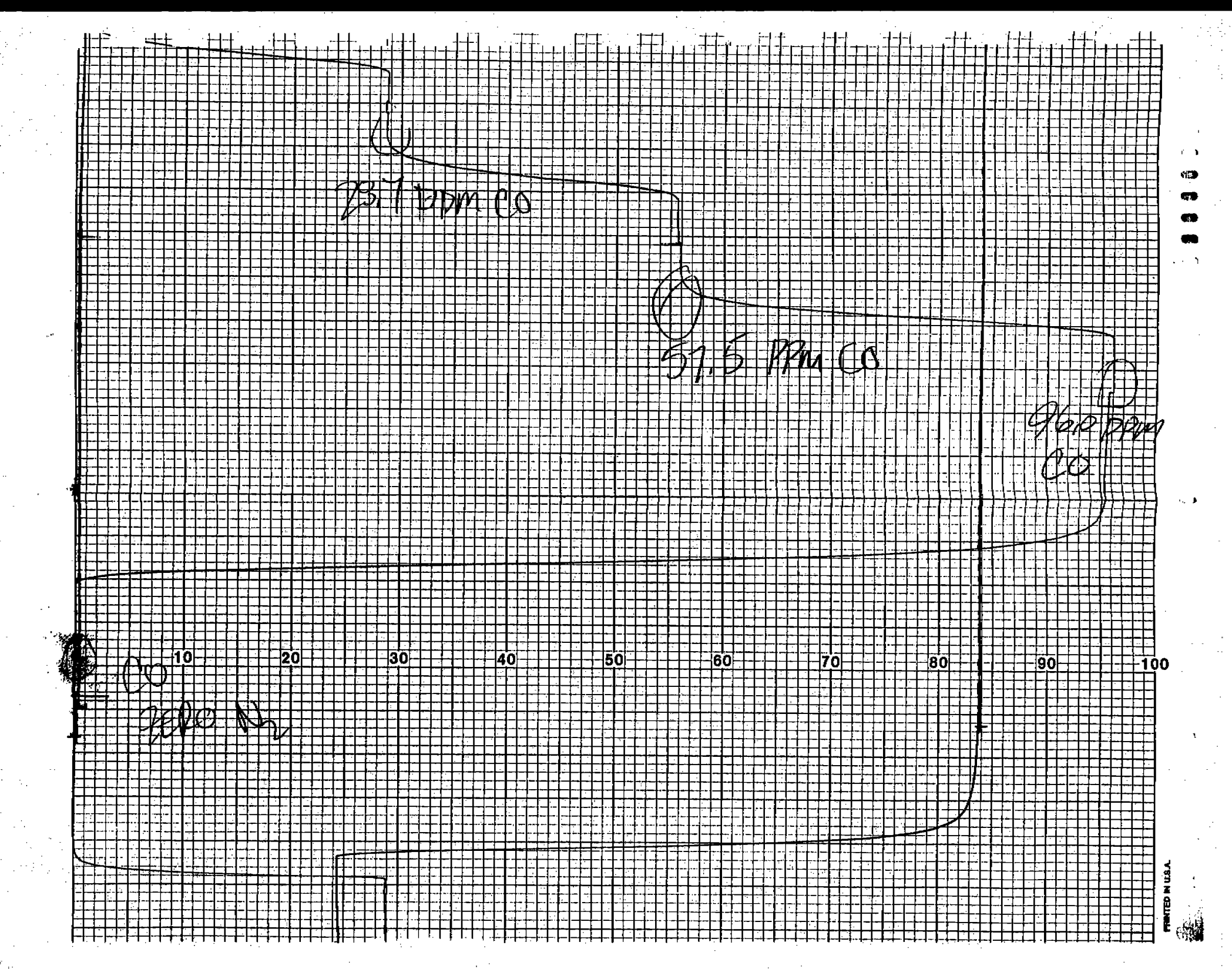


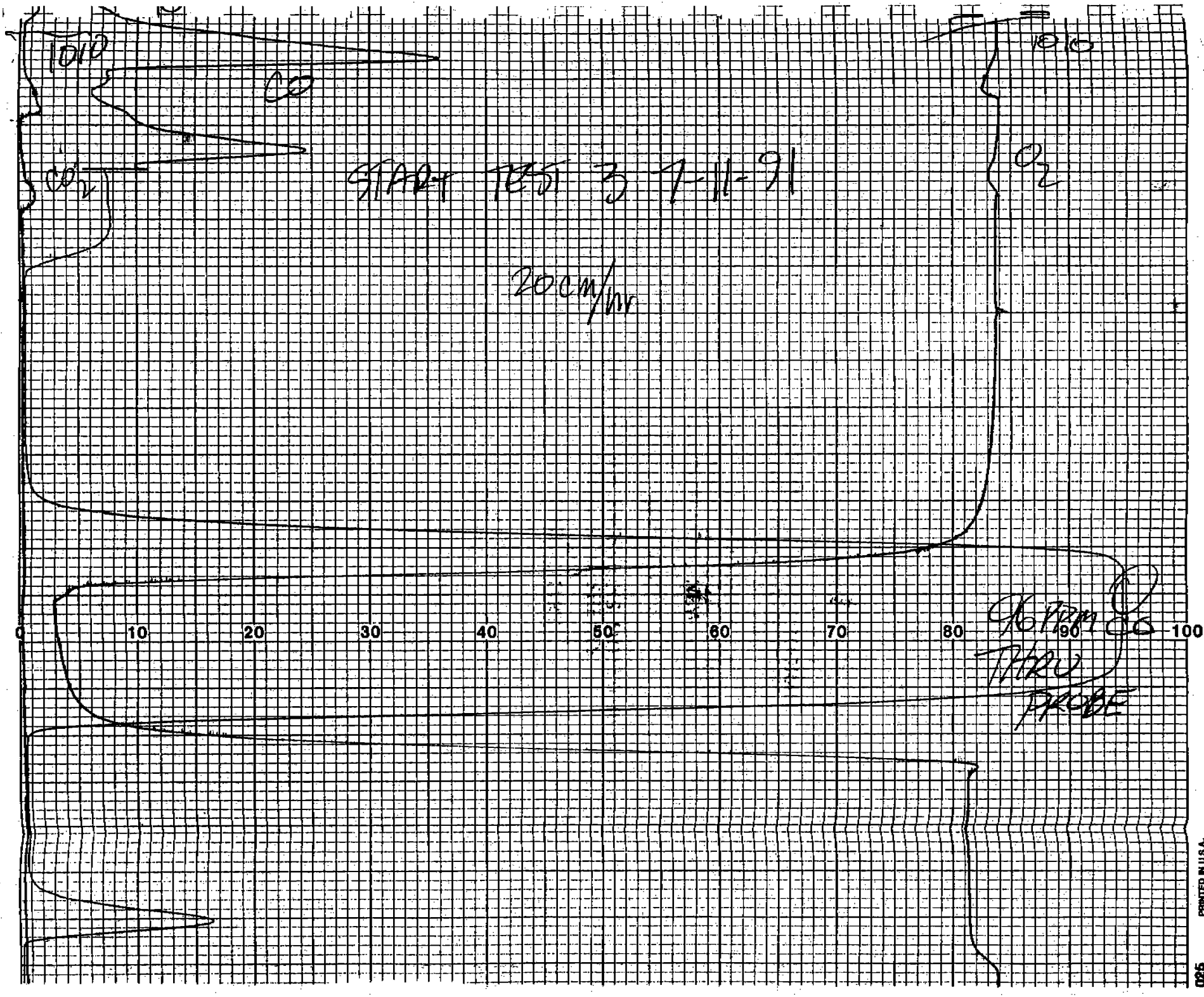
CHART NO. LIC-0100-0025 PRINTED IN U.S.A.


100
90
80
70
60
50
40
30
20
10
0
CHART NO. LIC-0100-0025
PRINTE
1215
END TEST 2
1215


11.4% O2
11.4% CO2
100
90
80
70
60
50
40
30
20
10
0
28.1 PPM CO
10
20
30
40
50
60
70
80
90
100
96.6 PPM


100
90
80
70
60
50
40
30
20
10
0
O2 CO2
N2
HCFA
20.93% O2
TEST 3 7-11-91 0hr
END DAY 2
CO2 H2O N2
O2 20.93%
HCFA
10
20
30
40
50
60
70
80
90
100


25.1 ppm CO
51.5 ppm CO
96.2 ppm CO
10
20
30
40
50
60
70
80
90
100
CO
pure N2


10%
CO
CO_2
START TEST 5-7-11-91
20cm/hr
10%
O_2
0
10
20
30
40
50
60
70
80
90
100
THRU PROBE
PRINTED IN U.S.A.
025

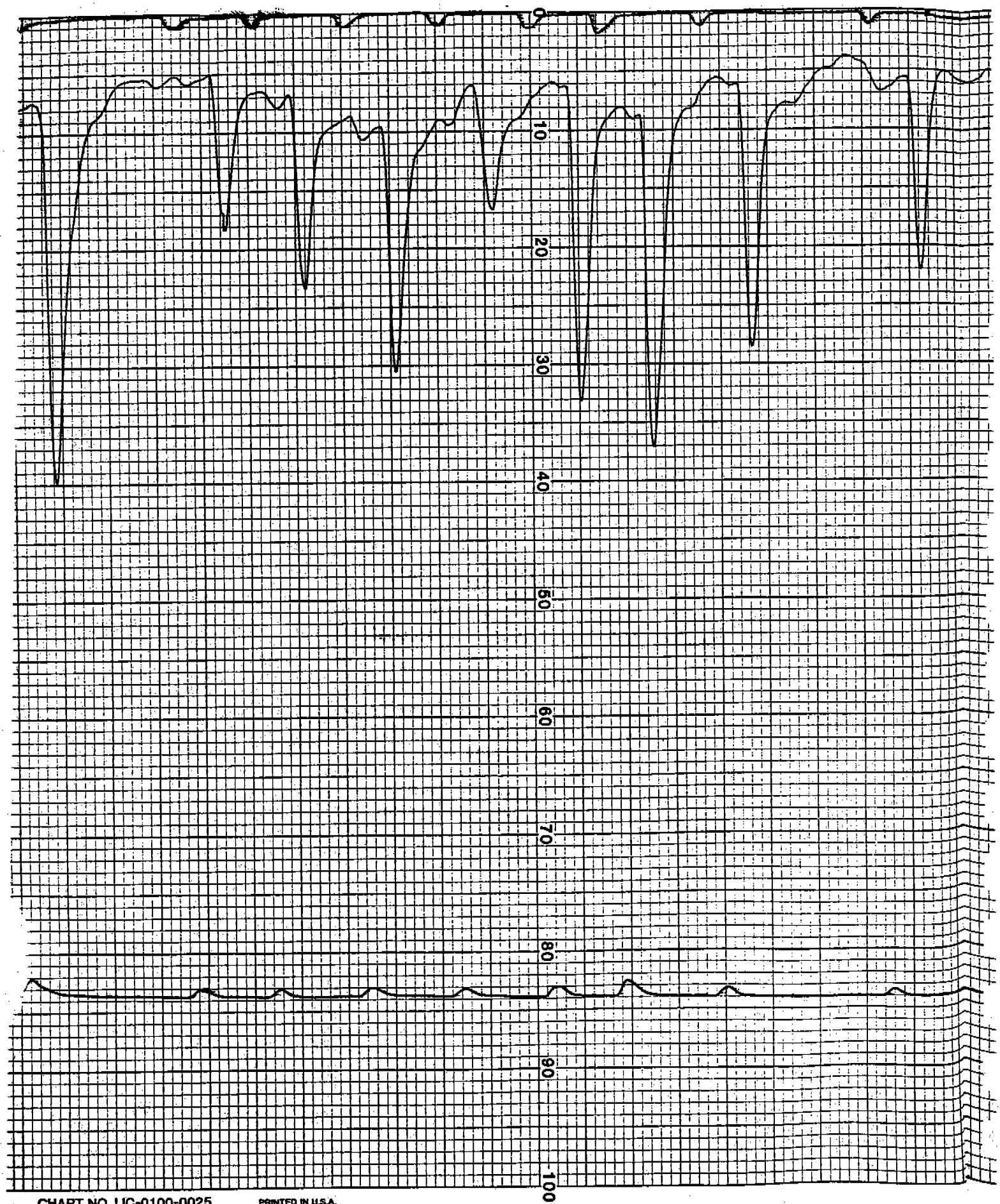
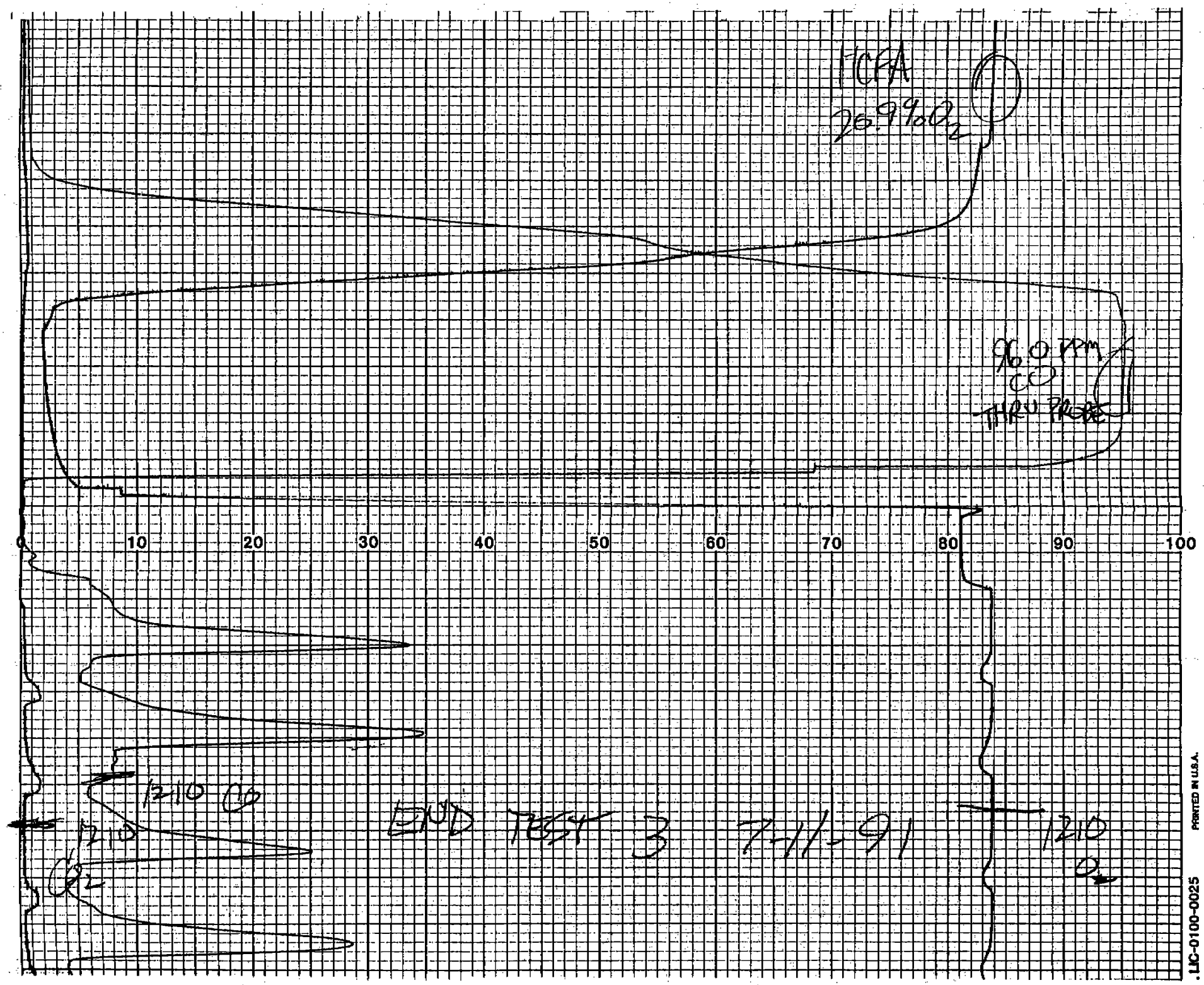
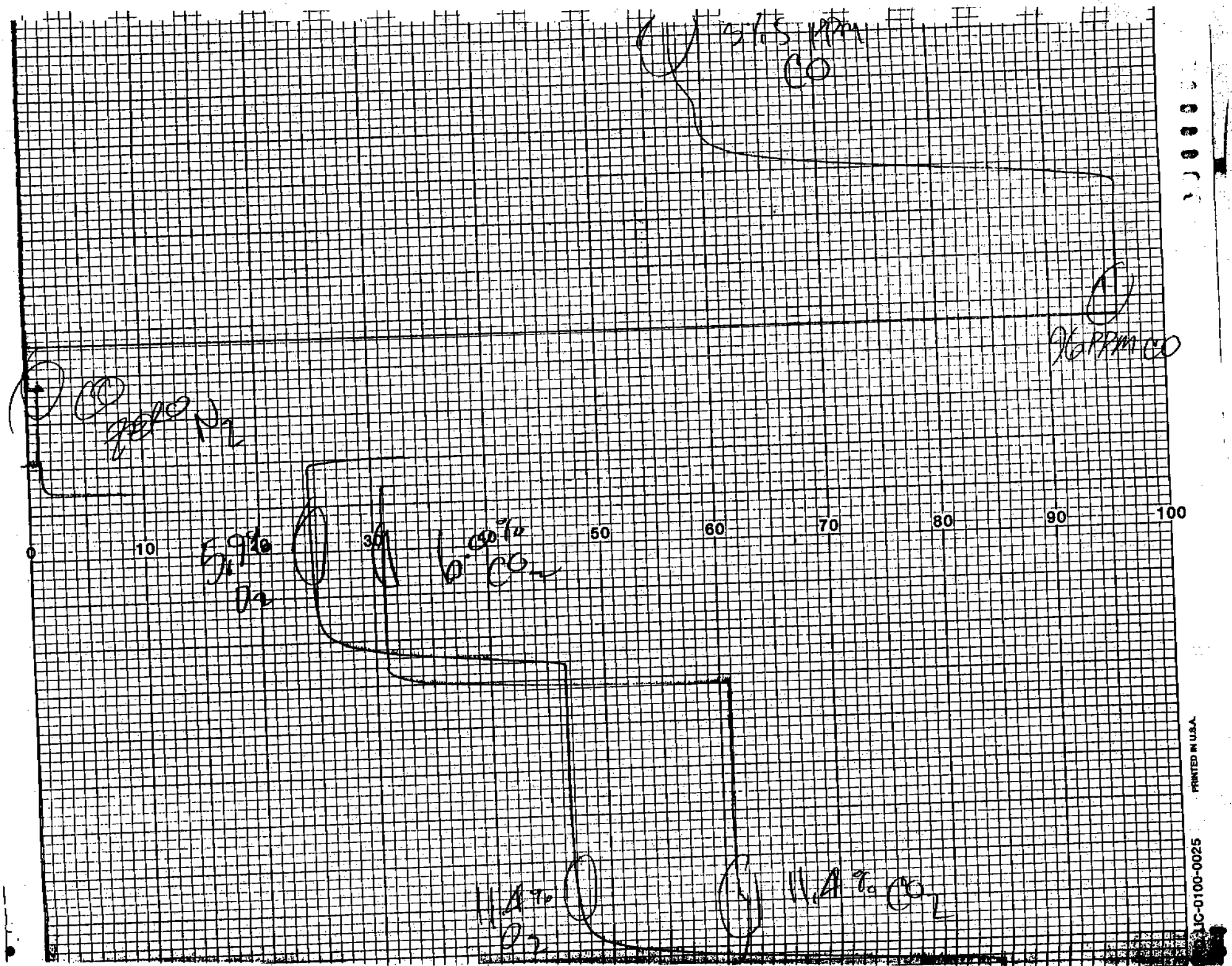


CHART NO. LIC-0100-0025 PRINTED IN U.S.A.




0
10
30
50
60
70
80
90
100
PRINTED IN U.S.A.
LIC-0100-0025

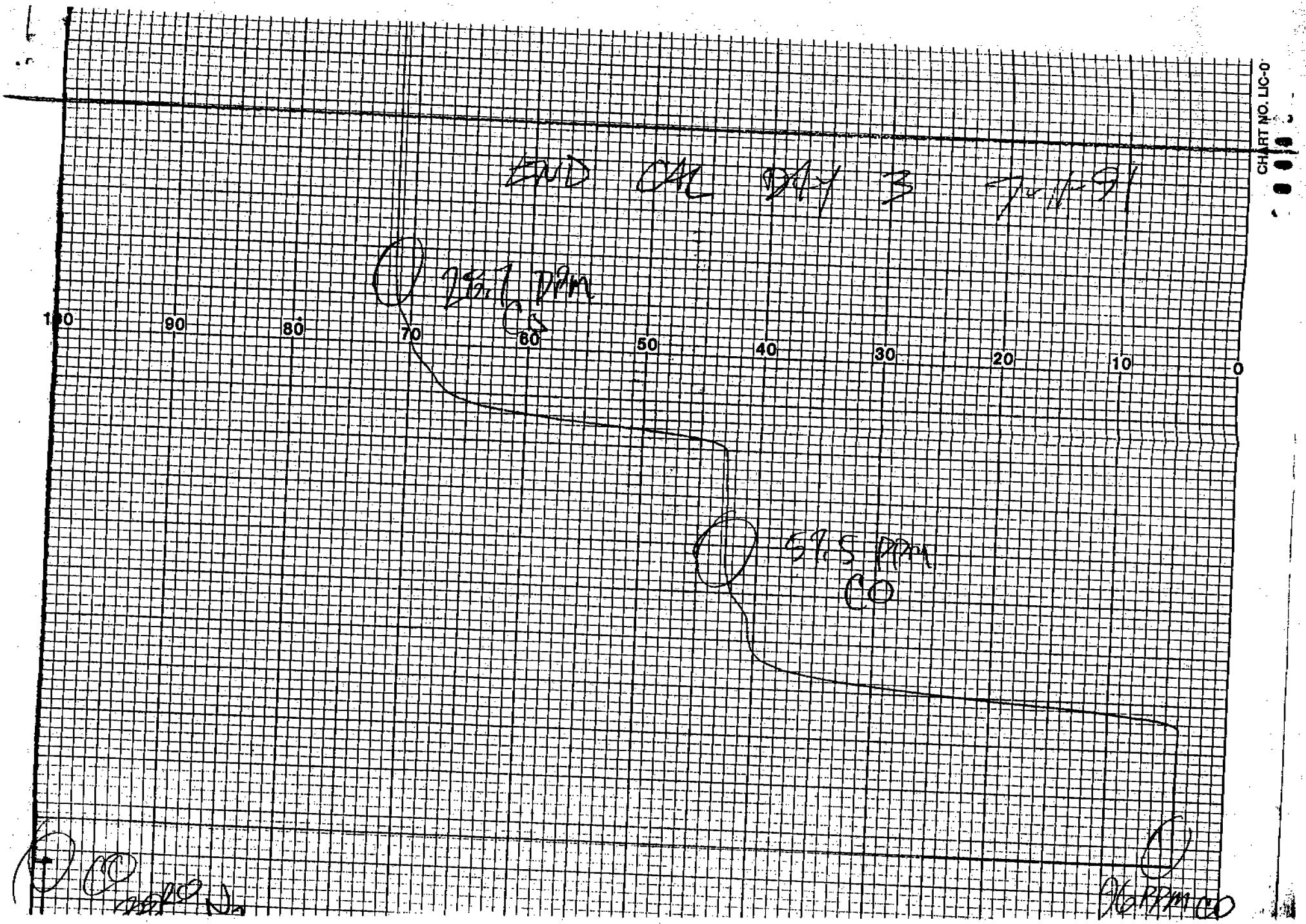


CHART NO. LIC-0
100
90
80
70
60
50
40
30
20
10
0
END CAL DAY 3 7-11-91
12:10 PM
CO
5:15 PM
CO